NOTICE

Please note that this response from Onindus for CRFP 0313 DEP26*1 was received in the Purchasing Division prior to the bid opening date and time, on 09/04/2025. Due to human error this responses was moved with bids for DNR to open on 09/09/2025, but was time stamped prior to the bid opening of 09/04/2025.

Greg Clay

Assistant Director

Purchasing Division

REQUEST FOR PROPOSAL
CONSTRUCTION MANAGEMENT SYSTEM

SOLICITATION #CRFP 0313 DEP2600000001
AML Construction Management System for West Virginia DEP

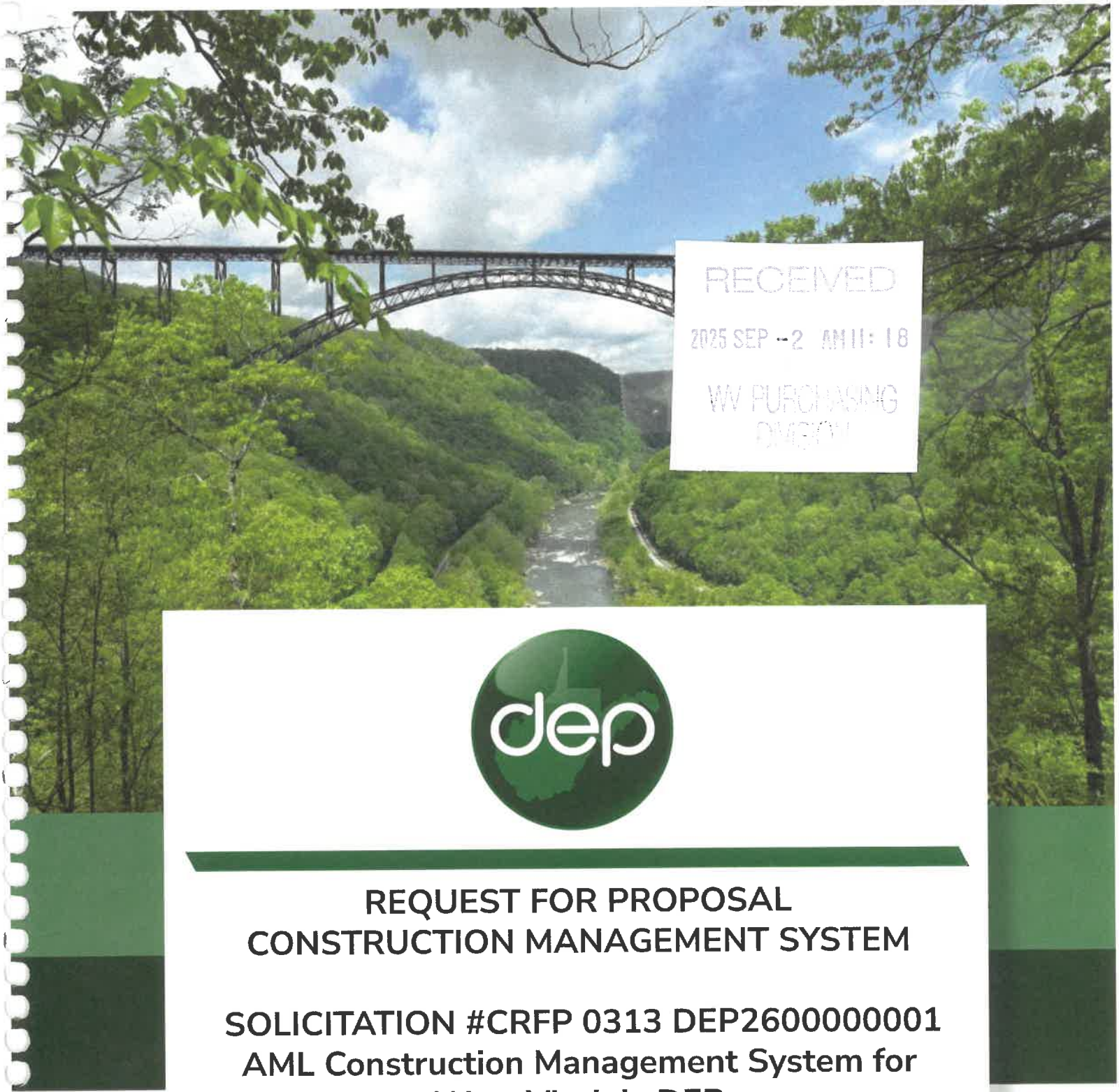
Prepared For:

West Virginia Department of Administration,
Purchasing Division
2019 Washington Street East Charleston, WV
25305-0130
Josh Hager
Fax: (304) 558-3970
Email: joseph.e.hagerIII@wv.gov

ONINDUS
Construction • Technology • People

Response by:

Shawn Davidson
Email: sdavidson@onindus.com
Phone: 847-636-6651
Date: August 29, 2025



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08/29/2025

West Virginia Department of Administration,
Purchasing Division
Josh Hager

Subject: SOLICITATION #CRFP 0313 DEP2600000001 AML Construction Management System for West Virginia DEP

Dear Josh,

Restoring West Virginia's abandoned mine lands is more than a construction program—it's an investment in environmental recovery, community safety, and the future of the state. At OnIndus, in partnership with Kahua and Guidehouse, we are passionate about equipping agencies like WVDEP with the technology, processes, and expertise needed to manage these critical projects with precision, transparency, and efficiency.

Our proposed solution leverages the Kahua platform—a leading, cloud-based construction management environment—implemented and tailored by OnIndus to optimize workflows, enhance collaboration, and unify project data across planning, design, construction, and maintenance. Guidehouse adds depth in program management, compliance, and stakeholder enablement, ensuring technology adoption aligns with strategic goals and regulatory requirements.

Our methodology—Plan, Design, Build, Test, Deploy, Operate—ensures early alignment with WVDEP stakeholders, a smooth implementation with minimal disruption, and sustainable post-go-live operations. The system will provide standardized workflows, automated approvals, role-based access for internal and external users, real-time dashboards, mobile-first field tools with offline functionality, and integration with existing WV state systems and connectors. The result will be a future-ready CMS that improves accountability, speeds project delivery, and increases public trust.

Our team has successfully delivered similar initiatives for agencies such as the University of Illinois, Charleston International Airport, Massachusetts Bay Transportation Authority, and the Texas Parks & Wildlife Department. These projects demonstrate our ability to modernize legacy systems, implement robust integrations, and achieve measurable gains in efficiency, transparency, and audit readiness—capabilities directly applicable to WVDEP's AML program modernization.

We are excited about the opportunity to partner with WVDEP to deliver a modern construction management system that meets today's operational needs and positions the AML program for long-term success. Thank you for considering our proposal; we look forward to the opportunity to collaborate and demonstrate the value our combined expertise can bring to the State of West Virginia.

Sincerely,

Shawn Davidson
Strategic Solutions Manager

OnIndus Headquarters
https://www.onindus.com/
433 Plaza Real Suite 275, Mizner Park
Boca Raton, FL 33432
Office Number: (786) 472-4840

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Executive Summary

The West Virginia Department of Environmental Protection (WVDEP) seeks to modernize its Abandoned Mine Lands (AML) Construction Management System (CMS) to improve efficiency, transparency, and accountability in managing projects from planning to closeout. OnIndus, in partnership with Kahua and Guidehouse, offers a proven, configurable, and secure cloud-based solution designed specifically for complex capital program delivery.

Our approach combines:
Kahua – an industry-leading Construction Management Platform that addresses all WVDEP requirements, including project tracking, budgeting, bidding, document management, compliance reporting, and integration with existing state systems.
OnIndus – experts in CMS implementation, workflow automation, and stakeholder alignment with a track record of successful public sector deployments.
Guidehouse – a trusted advisor in program management, process optimization, and stakeholder engagement for government agencies, ensuring smooth adoption and long-term value realization.

The proposed CMS will optimize workflows across planning, design, construction, maintenance, and closeout, significantly reducing manual processes and enabling faster approvals. It will enhance collaboration by providing secure, role-based access for internal teams, contractors, consultants, and external agencies. Transparency and accountability will be improved through automated audit trails, real-time dashboards, and on-demand reporting for leadership, funding bodies, and the public. The system will integrate seamlessly with existing WV state systems—such as financial platforms, GIS tools, and permitting applications—via open REST APIs and secure Single Sign-On (SSO). In addition, the platform will support mobile-first field operations with offline functionality, enabling inspectors and field teams to capture data, upload documentation, and stay synchronized regardless of connectivity.

Our Plan–Design–Build–Test–Deploy–Operate methodology ensures a structured yet agile approach. We place a strong emphasis on early stakeholder alignment, process design, and training so WVDEP staff can confidently use the system from day one. Much of the implementation will be performed remotely to minimize disruption, with targeted on-site sessions for discovery, design reviews, training, and go-live support. Post-deployment, we provide dedicated technical support, continuous optimization, and the option for Managed Services Consultants to ensure system performance and adoption remain high.

Our team's combined capabilities have been proven in similar public sector initiatives. For example, we modernized the University of Illinois' capital project management system across three campuses, integrating Kahua with enterprise financial tools to enable real-time reporting and audit readiness. At Charleston International Airport, we delivered an operational transformation that streamlined workflows, automated financial tracking, and achieved measurable efficiency gains within just 100 days. We have replicated this success for multiple state and municipal agencies by replacing legacy systems, establishing standardized workflows, and enhancing transparency.

By selecting OnIndus, Kahua, and Guidehouse, WVDEP will gain a future-ready, fully supported CMS that not only meets current requirements but also scales to accommodate future program expansion, regulatory changes, and evolving stakeholder needs. Together, we will deliver a platform that empowers WVDEP to manage AML projects with greater efficiency, transparency, and public trust.

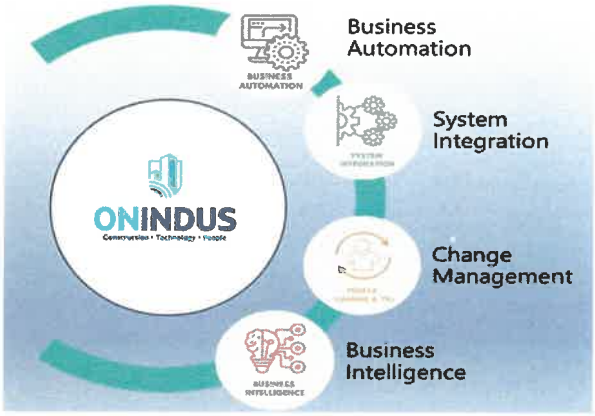
Team Overview

OnIndus

OnIndus, Inc. is a certified Minority Business Enterprise (MBE) comprised of 50+ Project Control Experts with decades of experience in Design, Construction, Data Integration, and Analytics. Our team has successfully implemented Digital Construction Transformation Solutions for over 100 organizations across the United States. We specialize in working with large capital project owners to improve their use of technology, helping them achieve their expected ROI by integrating and managing construction technology solutions that accelerate project performance and ensure on-time delivery.

Through successful deliveries of projects with numerous cities, counties, and state offices, OnIndus is singularly focused on the Owner's perspective. Many of our team members are former owners and we possess the background experience required to assess & optimize processes along with a detailed understanding of the training required for successful deployment. We also understand that change/improvement requires catalysts, such as:

- Enhancing project efficiency
- Adapting to evolving industry standards
- Meeting client expectations
- Managing increased project complexity
- Ensuring safety & minimizing risks
- Addressing environmental & sustainability concerns
- Fostering innovation
- Attracting & retaining talent
- Competitive advantage
- Delivering better ROI



We also understand that sustainable improvements require more than just software implementation—they require trusted advisors who can drive change by addressing project efficiency, evolving industry standards, increased complexity, and environmental concerns, while ensuring risk management, innovation, and long-term value.

OnIndus Core Services & Qualifications

OnIndus has worked with numerous teams across the private and public sectors to successfully deliver scalable project management systems. Our core competencies include:

- Assessment of Current Operations: Our expert consultants analyze existing processes and identify areas for improvement, helping to streamline operations and optimize project performance.
- System Selection for Construction Project Management: We assist owners in determining requirements and selecting the most applicable project management system. Our goal is to ensure seamless integration with existing operations while maximizing efficiency and future adaptability.

- Implementation and Optimization of Project Management Systems: We work closely with owners to implement selected systems, providing training and support to ensure a smooth transition and long-term success. We also enhance existing solutions through process optimization and best practices
- Data Analytics for Design and Construction: Our analytics team provides actionable insights and recommendations to support better decision-making, improve resource allocation, monitor compliance, and ensure project success through the full project lifecycle.

OnIndus has extensive experience with Kahua, delivering scalable project management solutions that manage project consistency, scope, schedule, lifecycle, resource allocation, automation of manual tasks, workflows, budgets, risks, and performance metrics. The following are our Kahua clients.

Specialized Expertise

OnIndus has extensive experience with platforms like Kahua, where we have delivered scalable solutions for managing project consistency, schedule, lifecycle, resource allocation, and workflows. We specialize in automating manual tasks, standardizing reporting, tracking risks and budgets, and enhancing project transparency.

Our integration services connect disconnected systems and data silos, giving clients real-time access to unified information for faster, more informed decision-making. With a strong command of legacy system migrations, custom dashboards, mobile access (online/offline), and regulatory reporting, we are uniquely equipped to serve agencies such as WVDEP with projects involving environmental remediation, inspection tracking, and cross-agency collaboration.

The OnIndus Advantage: Long-Term Benefits of Our Data Integration Services

By leveraging OnIndus's deep integration capabilities, clients can unlock the following transformative benefits:

- Unified Data Access: Gain real-time visibility across all data systems, enabling more informed and timely decision-making.
- Enhanced Data Integrity: Ensure consistent, accurate data across your organization, leading to reliable insights and strategic actions.
- Efficient Reporting: Streamline your data analysis and reporting processes, saving valuable time and resources while improving outcomes.
- Productivity Boost: Increase operational efficiency by optimizing how your organization utilizes data, driving better collaboration and faster results.
- Cost Savings: Eliminate redundant systems and processes, reducing operational overhead and maximizing the return on your data investments.

OnIndus's integration services bridge the gap between siloed systems and data, ensuring your organization can harness the full potential of its information ecosystem

OnIndus Analytics & Dashboards

OnIndus offers comprehensive data analytics and reporting solutions designed to empower construction project owners and enhance project management efficiency. We provide cutting-edge tools to enable data-driven decision-making throughout the project lifecycle, including interactive Dashboards that deliver real-time metrics and insights. Our services also encompass seamless data integration and advanced predictive analytics capabilities.

Recognizing the unique needs of each capital program, OnIndus offers tailored data strategies and customized analytics solutions to meet specific project requirements.

Examples of our Reporting Features

- Budget Tracking: Real time financial monitoring and forecasting to prevent budget overruns
- Progress Monitoring: Visual representations of project milestones and timelines for better tracking
- Risk Management: Integrated data allows for early identification of potential risks, enabling proactive management
- Stakeholder Communication: Streamline communication channels and provide regular updated to all stakeholders
- Tracking Compliance: Ensure adherence to regulatory requirements and standards throughout the project lifecycle
- Workload planning: Optimize resource allocation and manage team workloads effectively to meet project demands
- Cash Flow Forecasting: Accurately predict cash flow needs and manage financial health throughout the project

By leveraging these analytics and reporting capabilities, OnIndus helps project owners make informed decisions, improve efficiency, reduce risks and ultimately deliver successful projects within scope, time and budget constraints

Guidehouse

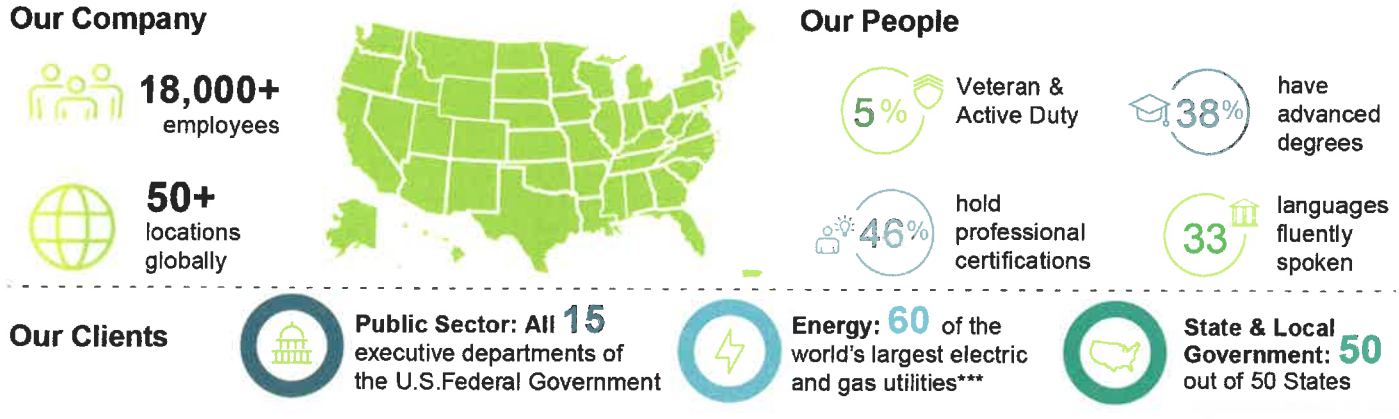
Guidehouse is a global, AI-enabled professional services firm offering integrated advisory, technology, and managed services to both commercial and government clients. With more than 18,000 professionals across 50+ locations worldwide, Guidehouse is purpose-built to help public sector organizations navigate complex challenges, modernize operations, and deliver lasting impact. Formed through the integration of PwC's U.S. Public Sector practice and Grant Thornton's Public Sector Advisory business, Guidehouse brings the deep capabilities of a Big Four heritage alongside the mission-focused agility of a dedicated government consulting firm.

Guidehouse is a national leader in public sector advisory services, with extensive experience supporting federal, state, and local governments across key domains including infrastructure, energy, health, and community development. Our firm specializes in helping agencies implement modern technology systems, streamline operations, strengthen accountability, and improve citizen-centered service delivery. We combine deep industry expertise with innovation, operational discipline, and a relentless focus on client success.

In West Virginia, Guidehouse has delivered strategic engagements across multiple state departments, including the Department of Human Services, Department of Energy, and Bureau for Medical Services. Recent work includes a statewide listening tour for welfare program reform, Medicaid technical assistance, and deployment support for the Home Energy Rebates program. Our familiarity with West Virginia's operational environment, procurement standards, and inter-agency coordination uniquely positions us to support the successful transformation of WVDEP's AML Construction Management System.

Our team has deep experience with the implementation and oversight of construction management systems for large-scale infrastructure initiatives. We have delivered both strategic advisory and field-level construction management services for high-profile public projects—ranging from secure federal facilities to affordable housing programs. Our consultants work with clients to implement platforms like Kahua, ensuring that systems are configured to support field engineers, inspectors, executive decision-makers, and regulatory compliance teams alike.

Guidehouse's experience spans the full lifecycle of technology transformation—needs assessment, system selection, integration planning, stakeholder engagement, and post-deployment support. Our collaborative approach ensures stakeholder alignment, risk mitigation, and measurable outcomes. As a trusted partner on this project alongside OnIndus and Kahua, Guidehouse brings the strategic vision, local familiarity, and technical expertise required to ensure the success of WVDEP's CMS modernization efforts.



Kahua

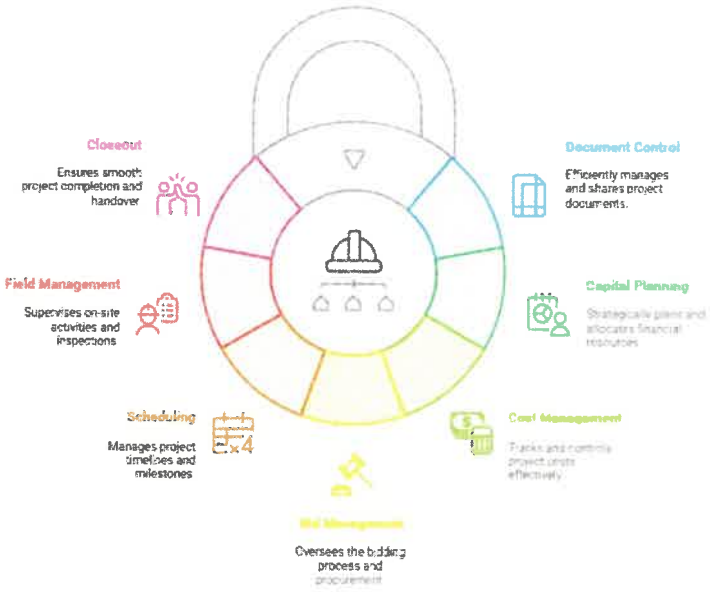
Kahua is a trusted provider of modern, cloud-based capital program and construction project management software designed to support the full lifecycle of capital assets—from planning and design through construction and operations. With a mission to empower construction owners and program managers, Kahua delivers purpose-built solutions that drive greater collaboration, streamline project delivery, improve cost control, and enhance overall program performance.

As a Platform-as-a-Service (PaaS), Kahua offers a flexible environment that enables organizations to configure workflows to their specific needs or build entirely custom applications using kBuilder, Kahua's powerful low-code app development tool. This extensibility ensures the platform can evolve with each organization's processes and project demands.

Kahua supports a wide range of project management capabilities, including:

- Document control and file sharing
- Capital planning
- Cost management and change tracking
- Bid management and procurement
- Construction scheduling and milestone tracking
- Field management and inspections
- Closeout and asset handover

Kahua's Project Management Capabilities



Kahua's cloud-native architecture is designed for secure, enterprise-grade performance. For public sector clients, Kahua offers a FedRAMP-authorized Government Cloud environment that meets stringent cybersecurity and compliance standards, supporting federal, state, and local agencies across the United States.

Kahua's solutions are used by many of the largest and most complex owner organizations in the world, including federal agencies, state departments of transportation, higher education institutions, and healthcare systems. By connecting all stakeholders—owners, architects, contractors, consultants, and suppliers—on a single, centralized platform, Kahua improves communication, increases accountability, and drives more predictable outcomes across projects and programs.

With a focus on long-term value, Kahua delivers not only the technology but also the best practices and insights needed to optimize construction performance in today's evolving capital landscape.

Our Kahua Story: Why OnIndus Stands Out

At OnIndus, we specialize in delivering Kahua-based solutions that redefine how organizations manage their projects, portfolios, and workflows—particularly in complex, multi-agency environments such as infrastructure, environmental remediation, and public sector capital programs. Our team combines deep technical expertise, extensive industry experience, and an unwavering commitment to client success to help agencies and organizations maximize the value of their Kahua investment.

Here's why public agencies and capital project owners choose OnIndus:

- **Unmatched Expertise:** From pioneering K-Builder development to enterprise-level integrations with platforms like ERPs, ESRI, Asset Management Systems, and DocuSign, we build innovative solutions that meet the unique needs of government and infrastructure clients.
- **Custom-Centric Approach:** Our configurable workflows and reusable components improve efficiency, enhance scalability, and ensure long-term adaptability—crucial for handling evolving federal funding and regulatory requirements.
- **Seamless Integrations:** We've successfully migrated portfolios from outdated PMIS systems to Kahua while preserving data integrity and minimizing disruption—an essential capability for replacing legacy systems like AMLNET.
- **End-to-End Services:** From discovery and custom app development to training and post-go-live support, we empower internal teams to independently expand Kahua workflows and adapt to changing operational demands.
- **Proven Leadership:** Our thought leaders contribute to industry panels and public sector forums, guiding clients through digital transformation strategies aligned with regulatory, audit, and transparency requirements.

Our Success Stories

- **Client Core Systems and Kahua Integration:**
  Implemented a bi-directional integration between **Microsoft Dynamics Great Plains**, **SAP**, **Oracle EBS**, **Workday,** and **Kahua**, digitizing approval processes, reducing operational time, and eliminating the need for hard copies.
- **Portfolio Migration for Government and Infrastructure Clients:**
  Migrated project portfolios from legacy PMIS platforms like **Proliance**, **eBuilder**, **Procore**, and **Aurigo** to **Kahua**, designing workflows and ensuring a seamless transition with scalable approval processes.
- **Custom App Development with K-Builder:**
  Delivered advanced **K-Builder** apps for bidding, reporting, and workflow automation, tailored to complex client needs in industries such as construction, utilities, and real estate.

Our Commitment

At OnIndus, we are more than service providers—we are long-term partners in your success. With a focus on innovation, operational efficiency, and client empowerment, we ensure that our Kahua solutions drive measurable improvements in performance, transparency, and outcomes across the project lifecycle. **We don't just implement Kahua—we help agencies transform how they work.**

Technical Approach

Project Goals and Proposed Approach (§ 4.2)

OnIndus, in partnership with Kahua and Guidehouse proposes a modern, secure, cloud-based Construction Management System (CMS) purpose-built to optimize workflows, enhance inter-agency collaboration, streamline internal processes, and increase transparency and accountability across all phases of construction and reclamation projects. Our combined solution aligns precisely with WVDEP's objectives, offering a scalable, configurable, and extensible platform trusted by federal, state, and local agencies nationwide.

Addressing the Project Goals

Kahua standardizes and automates workflows across planning, design, construction, and maintenance—covering budgeting, estimating, bidding, inspections, permitting, invoicing, and reporting. Configurable processes reduce manual effort, speed up approvals, and ensure consistency. Dashboards and analytics provide real-time insight into KPIs, assignments, and financials for informed decision-making.

Kahua's role-based Common Data Environment (CDE) connects internal teams and external stakeholders, providing secure, real-time access to drawings, permits, forms, and communications. Built-in tools like File Manager and Messaging ensure visibility into submittals, RFIs, and change requests, while controlled access enables seamless third-party collaboration.

The system logs all actions—transactions, approvals, change orders, inspections—through automated audit trails and visual dashboards. Historical records are preserved via the Snapshot tool, and stakeholders can access up-to-date reports for tracking status, risks, or financial performance.

Functional Requirements

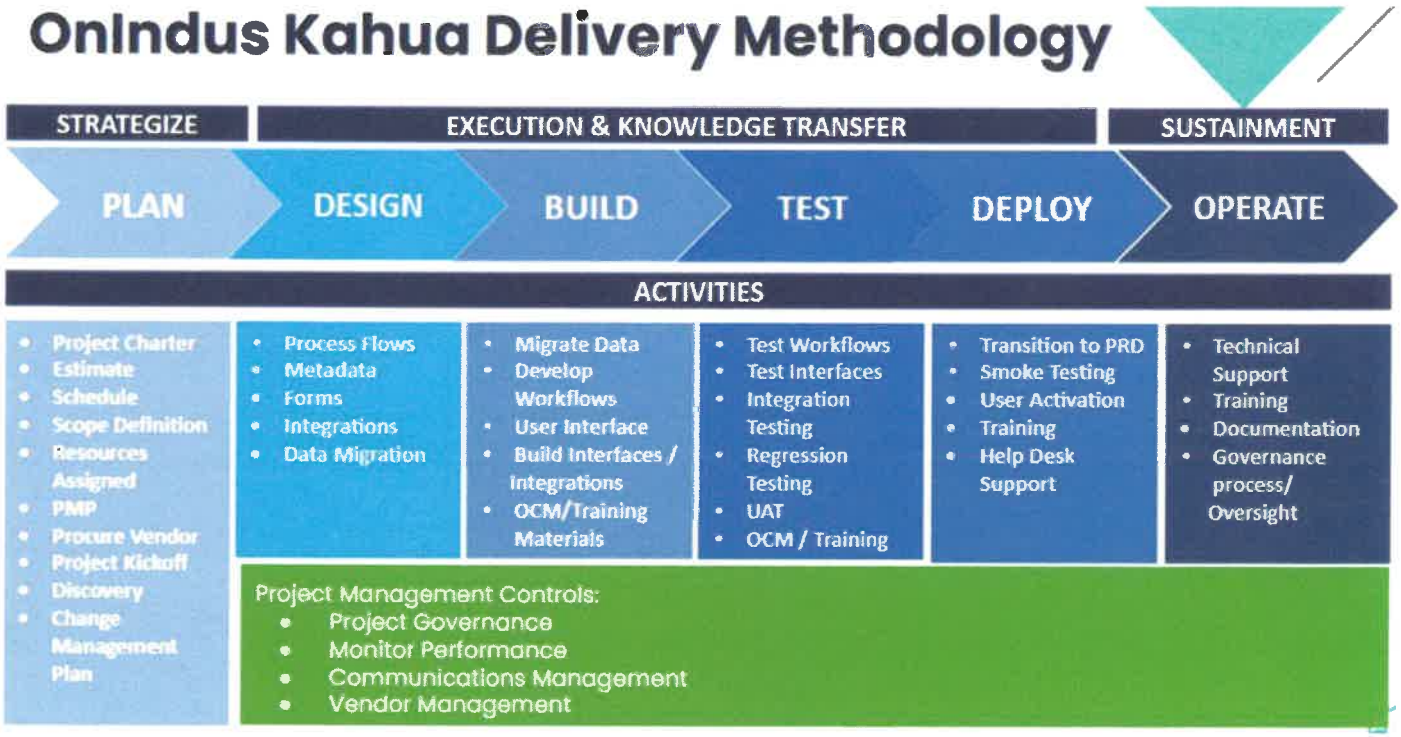
Kahua delivers a complete construction management platform that meets WVDEP's operational needs. It manages milestones, submittals, daily reports, QA/QC, and open-end maintenance contracts. The system supports budgeting, forecasting, expenditures, grants, and invoice approvals with workflow automation. It consolidates all data—contracts, bids, photos, communications, and plans—into a centralized, secure, and searchable environment. Seamless integration with ArcGIS, AutoCAD, Microsoft Project, and other platforms is achieved via open REST APIs, while Azure AD supports SSO.

The platform is fully mobile, enabling field staff to work offline and sync updates upon reconnection. Bid solicitations and evaluations are automated, and contractor/vendor invoices can be submitted, reviewed, and approved entirely within the system, with full auditability and change tracking.

Test: The environment is validated by Kahua, OnIndus and Guidehouse teams, followed by acceptance testing by selected WVDEP users (SMEs). Test projects are created to verify configuration accuracy, functionality, and performance. This ensures the platform aligns with real-world use cases and compliance needs.
Outcome: Final signoff on tested configuration and readiness for launch.

Deploy: Once testing is complete and training is delivered, the system moves into production. Kahua PSO and OnIndus coordinate a "go/no-go" meeting, facilitate go-live communications, and conduct user onboarding. A transition handoff to Kahua Support and the Customer Success Manager is scheduled to ensure continuity.
Outcome: Successful platform launch and user activation across WVDEP.

Operate: Post-deployment, our team supports WVDEP through four "hypercare" sessions over four weeks, addressing any initial issues and fine-tuning the system. Continuous improvement activities include configuration refinement, enhancement recommendations, and adoption support through Kahua's kBuilder and training resources.
Outcome: Ongoing platform optimization, user engagement, and long-term success.



Why Our Approach is Superior

- Purpose-Built for Construction: Unlike generalized project tools, Kahua is designed for capital project management.
- Flexible & Scalable: The platform can evolve with WVDEP's needs, supporting reclamation, infrastructure, and environmental projects.
- Configurable without Coding: Using Kahua's kBuilder low-code tool, WVDEP can create or modify apps and workflows in-house.
- Unmatched Support: OnIndus and Guidehouse bridge the gap between Kahua's platform and your daily operations, ensuring high user adoption and satisfaction.

Approach & Methodology to Goals/Objectives (§ 4.2.1)

4.2.1.1 System Architecture and Development

Kahua is built on a modern, secure, and scalable architecture tailored for construction and capital project management. Key technology components include:

- **Backend:** C#, .NET Framework, .NET Core
- **Frontend**: HTML5, CSS, JavaScript with modern frameworks
- **Database:** Microsoft SQL Server 2019
- **System Hosting:** Hosted on Kahua-managed hardware in secure QTS facilities (Richmond, VA and Atlanta, GA), with near 100% uptime. Accessible via browser, desktop, and mobile.
- **Authentication:** Uses Active Directory with Duo MFA and supports SSO via SDLR/AML 2.0, delegated to client IdPs (e.g., Azure AD). TLS secures all connections; CAC and PIV supported.
- **Integration:** Open REST APIs; integrates with Azure DevOps and FreshDesk
- **Development Tools:** kBuilder (low-code/no-code tool)
- **Clients:** Web and Windows desktop clients (.NET-based)
- **Security: CrowdStrike,** Netsurion, Windows Defender. Data encrypted at rest (AES-256, RSA 2048) and in transit (TLS 1.2). Keys rotated annually, stored in a key vault, and never shared.
- **Infrastructure:** Windows Server 2022 VMs; remote access via Cisco AnyConnect VPN
- **Compliance:** SOC 2 Type II, GDPR, role-based access control, field-level security

Kahua is delivered as an Application Platform as a Service (APaaS) cloud solution with a tiered architecture designed for scalability, security, and high availability. The platform supports three deployment models to meet varying requirements for isolation and performance:

- **Shared (multi-tenant)** – Logical data separation using unique company IDs.
- **Dedicated (single-tenant)** – Separate database and file storage on dedicated virtual machines.
- **Isolated (single-tenant with physical hardware)** – Fully isolated hardware, database, and file storage.

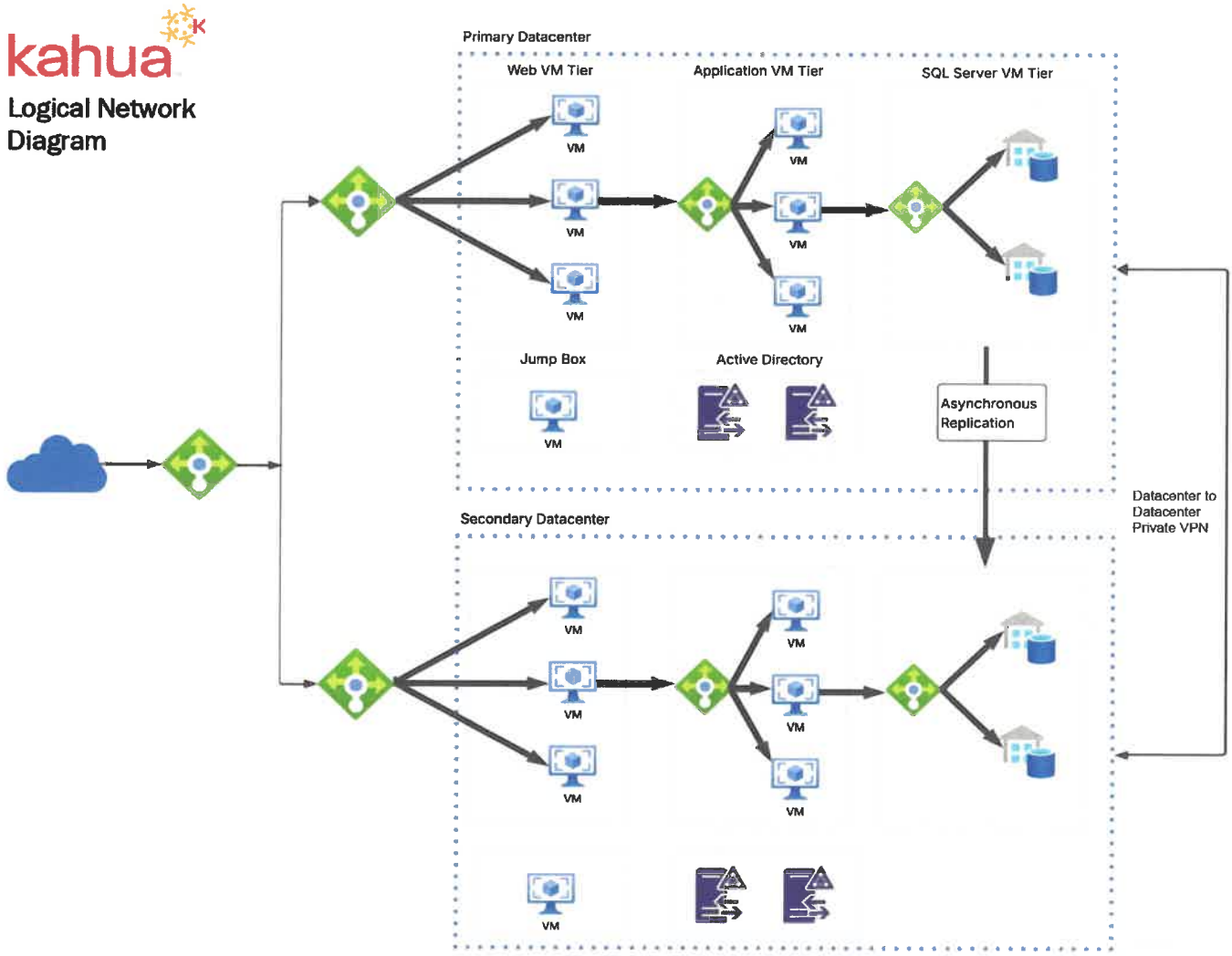
Internet-facing servers are secured by firewalls and security controls. Internal development, QA, and production environments are segregated from the DMZ, with industry-standard network segmentation protecting all environments.

The platform's monitoring framework uses Netsurion SIEM for real-time event correlation and automated alerts. All network infrastructure, servers, databases, and identity systems are monitored for anomalies, with alerts sent to Kahua's IT Operations team.

Customer data is logically segmented in the multi-tenant model, with dedicated and isolated options providing additional separation. Non-production environments never contain customer data, ensuring that testing and development activities are separated from live data..

The system architecture diagram is provided below:

Figure 1: System Architecture



4.2.1.2 Mobile-friendly data collection, form creation, and automated submission solutions

Kahua is accessible via web, desktop, and mobile platforms, offering seDLR/AMLess access to tasks, messages, projects, documents, and applications. The mobile app supports offline functionality, allowing users to work anytime, anywhere. When a connection is restored, offline data automatically syncs with the cloud.

Most desktop functionality is available on mobile, except for domain administration and certain complex business processes not typically managed in the field. Common field activities, such as cost and document management, are fully supported.

Offline functionality includes the ability to interact with business process applications. Real-time communication is available when the user has connectivity. The mobile app utilizes the same data and systems as the desktop client, ensuring identical integration capabilities across platforms.

Kahua supports iOS and Android devices, including smartphones and tablets. Users can complete action items, create records, capture photos and videos, run reports, and access dashboards on mobile. The platform also allows photos to be added to any record, whether on desktop or mobile. For processes requiring larger screen real estate, such as administration and cash flow forecasting, access is available via the browser.

4.2.1.3 Comprehensive Integration, Tracking, and Centralization

Kahua is a unified platform purpose-built to integrate all core construction management functions, including project management, financials, field operations, compliance, and oversight reporting. The platform enables centralized management and tracking of all project data, documents, and communications, supporting real-time collaboration and eliminating the need for disparate systems.

Sharing, editing, and permissions are managed through robust, role-based access controls, ensuring that only authorized users can view or modify specific data. All project data and documents are tracked and controlled, with a complete history and audit trail of all modifications visible for every record. Workflows for multiple projects and tasks are managed simultaneously using configurable, automated workflows and approvals, with alerts and notifications delivered via the user interface and email. The platform's dashboard and analytics tools provide real-time visibility into project status, milestones, requests, approvals, and financials across all projects, supporting efficient oversight and coordination among stakeholders.

Tracked and captured data can be analyzed, compiled, and exported in various formats, including CSV and PDF. Kahua's open APIs and integration capabilities allow seDLR/AMLess data exchange with existing systems and programs, supporting real-time integration and eliminating manual dual entry. The platform standardizes data organization by consolidating all project information—such as bids, contracts, budgets, purchase orders, invoices, surveys, drawings, correspondence, and progress photos—into a single source of truth, minimizing data loss and discrepancies.

Kahua provides comprehensive financial management, including tracking, cost management, budget creation, forecasting, contract management, purchase orders, and stakeholder engagement within budgets and contracts. Automated task management and assignment features streDLR/AMLine duties and ensure accountability. The platform supports simultaneous management of multiple projects at various stages, with portfolio and program-level visibility and reporting. License transfer capabilities are available to accommodate staffing changes, ensuring continuity and compliance.

4.2.1.4 Enhanced Collaboration and Communication

Kahua provides robust capabilities to enhance collaboration and communication between internal and external stakeholders. Our platform standardizes data and files through a Common Data Environment, ensuring all project stakeholders—including contractors, supervisors, engineers, technicians, and other entities—have secure, role-based access to the information they need.

Communication Management: Kahua includes a Communications app that centralizes all project communications, allowing users to create, distribute, and track letters, memos, transmittals, and other formal documents. Incoming emails can be logged into communication records, ensuring a complete audit trail and transparency throughout the project lifecycle. Real-time messaging, document sharing, and collaboration tools are available to facilitate seamless interaction among all parties.

Contact Information Management: Kahua tracks all company and person contact information for users. Each project can have a dedicated directory with participants, roles, contact information, and project status. This directory is easily managed and updated globally, making it simple to find and include the right contacts in workflows and communications. External members can access DLR/AML's Kahua environment or use an DLR/AML license to create their own domain, which can communicate with DLR/AML's domain, ensuring proper project communications are stored on both sides while allowing vendors flexibility to manage their own data.

Stakeholder Collaboration: Kahua enables both internal and external users to participate in workflows, submit changes, and collaborate on documents. All workflows generate tasks that are sent to relevant project participants, and permissions can be managed at granular levels to control access and visibility. The File Manager application allows sharing of folders or documents with stakeholders based on assigned permissions.

Multiple users can collaborate on the same file, add comments or markups, and access application records as needed. Vendors and general contractors can submit design documents, packages, and other files through dedicated apps such as Design Review, File Manager, and Submittals.

Change Submission and Document Access: Stakeholders can submit changes, access documents, and plans through Kahua's collaborative tools. For example, external vendors can be granted access to specific applications (such as Change Request) to submit and track their own requests, while being restricted from viewing others' submissions. All records can be exported or downloaded as needed, supporting transparency and data portability.

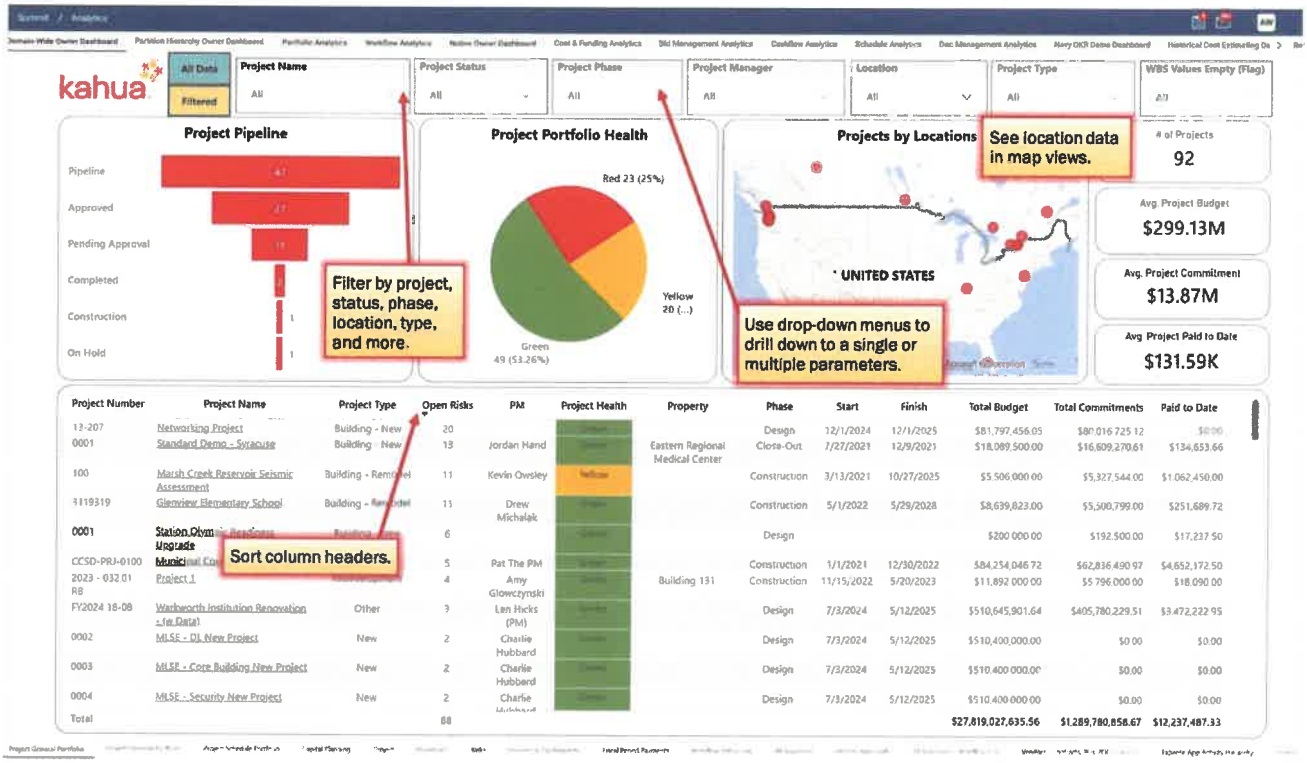
These features collectively ensure that DLR/AML can achieve standardized, efficient, and secure collaboration and communication across all project participants, both internal and external.

4.2.1.5 Dashboards

Kahua provides customizable dashboards that enable DLR/AML to efficiently communicate status updates to DLR/AML staff. Users can create dashboards using a widget-based interface, allowing both administrators and individual users to configure dashboards at the team or personal level. Dashboards can be built from data collected through forms or inputted by primary users, supporting real-time visibility into project status, milestones, completion, requests and approvals, invoice submissions and approvals, inspections, warranty inspections, and permits.

Dashboards are accessed directly within the Kahua platform and can be configured to display rolled-up data at the project, program, portfolio, or enterprise level. Users can drill down into dashboard widgets for immediate action and detailed visibility into specific areas. Dashboards are fully configurable, interactive, and can be shared with other users, groups, or departments. Kahua's dashboards support the display of key project metrics, status updates, notifications, and other critical data relevant to user roles or interests at a glance. Data from custom forms is available for analytics and dashboard visualization, ensuring that all relevant project information is surfaced efficiently for DLR/AML staff.

Figure 2: Sample Portfolio Overview Dashboard



4.2.1.6 Transparency, Reporting, and Analytics

Kahua provides robust reporting, graphing, and charting capabilities using real-time data. All reports and dashboards utilize real-time information, supporting up-to-date tracking and management of project progress, budget adherence, requests, approvals, project milestones, field reports, quality inspections, field inspections, safety incidents, compliance, maintenance scheduling and completion, materials on-site and used, performance schedule, work in progress, work completed, permit expiration dates, work deadlines, tasks and assignments, team members, and other project-related data, documents, communications, and changes. Data can be analyzed and reported at various aggregation levels, including property, portfolio, project, project type, and vendor. Kahua's dashboards and analytics allow for data roll-up across any node, partition, division, program, or project as defined by DLR/AML.

Kahua enables DLR/AML to monitor, track, and record all aspects of project execution through comprehensive workflow capabilities, including bid management, vendor meetings, reviews, approvals, and milestone tracking. The system supports automated report scheduling and distribution, and dashboards are available for bid solicitations, proposals, and vendor information. Kahua's Risk Register application tracks project risks, mitigation plans, and outcomes, with risk reports and dashboards available for status and mitigation activities. The Checklist & Inspections app allows for the creation and tracking of custom inspection forms, supporting field and quality inspections, safety incidents, and compliance tracking. All standard construction communications are supported, and records can be viewed in configurable logs.

Custom reports and analytics can be created using ad-hoc reporting, report wizard, report writer, dashboards, and analytics tools. Reports can include financial, schedule, risk, design, and other project elements in a merged view. Group-based permissions control access to reports, and custom reports can be exported for sharing with team members and regulatory or funding agencies. Kahua supports exporting custom reports and analytics regarding the status of reclamation projects, maintenance completed, project budgets, permit processes, and other construction processes

Audit trails and version control are maintained throughout the system. All data and transaction history are retained, and the Snapshot tool allows DLR/AML to download backup copies of projects, records, data, and attachments. This ensures historical data is preserved for review and analysis.

Kahua is capable of tracking quality inspections, field inspections, safety incidents, and compliance. The system permits the creation of custom forms, and data captured from these forms can be used in analytics and reporting. Sample reports and dashboards are provided below.

Figure 3: Sample Project Dashboard

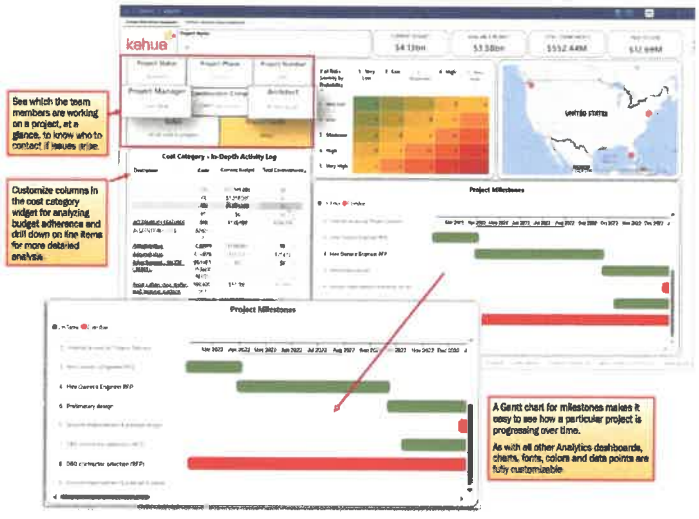


Figure 4: Sample Risk Dashboard

Figure 5: Sample Project Financial Dashboard

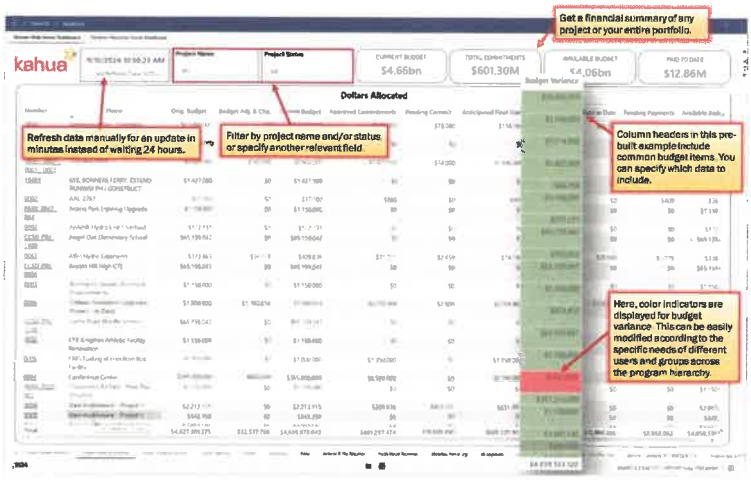
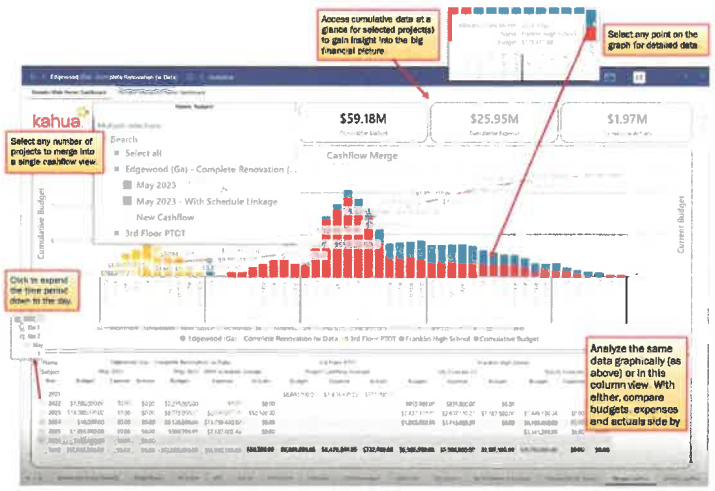


Figure 6: Sample Cashflow Forecasting Dashboard



4.2.1.7 Scalability and Flexibility

Kahua is proven to support in excess of 10,000 concurrent users and can infinitely scale to support as many total and concurrent users as needed. The platform has demonstrated scalability for large-scale deployments, including:

- GSA Public Building Service: 8,000+ active projects and 3,000+ users
- CBRE Global Workplace Solutions: 119,000 total projects, including an annual deployment of 34,000 projects
- U.S. Air Force Construction Engineering Center: 15,000 users

Stress tests have validated Kahua's performance, including handling 30,000 partitions in project navigation, importing 30,000 log items, processing 1,000 concurrent API requests, and managing a 100,000-record log without degradation. Kahua is designed for horizontal scaling, eliminating reliance on any single server for front-end or back-end databases, and ensuring a consistent, responsive user experience for tens of thousands of users and projects.

Kahua is a highly flexible platform designed to meet the diverse needs of different projects at every stage, including open-ended projects, maintenance, and construction-related reclamation activities. The system allows for unique configurations at the project or program level, enabling standard best practices across the organization while supporting project-specific business processes within the same environment.

For pre-construction, Kahua supports budgeting, cost estimating, and bid management. The Capital Planning application enables users to lay out future projects, estimate initial costs, and prioritize which projects proceed. Multiple bids can be managed per project, with each bid tracked separately, including bid teams, key dates, terms, and supporting documentation.

Kahua's financial management capabilities include comprehensive cost management, budget creation, forecasting, and tracking. The platform supports tracking of one or multiple budgets per project, with the ability to update, supersede, or import data from external systems. Forecasting is supported throughout the project lifecycle, and the system automates tasks and manages assignments and duties through robust workflow capabilities. Contract management, purchase orders, and stakeholder engagement are fully supported, allowing for changes within budgets and contracts to be tracked and managed efficiently.

Data, forms, and other information can be exported in common formats such as PDF, XLS, and CSV. Kahua's Media folder type allows for storage of images and videos, which can be automatically tagged, georeferenced, and labeled. These media files are attached to their respective projects and can be embedded in reports, with metadata indexed for easy search and retrieval.

4.2.1.8 Support and Training

DLR/AML will have access to 24x7 support by phone, email and the support portal. Kahua Support's standard hours are Monday through Friday, 5:00AM to 10:00PM ET. Kahua's answering service is available 24/7 for critical issues needing support from our on-call resources outside standard hours. The Kahua Support team is available to answer questions and help troubleshoot issues. For escalations, contact your designated Customer Success Manager (see section to follow).

Table 1: Support Contacts

Technical Support Contact Information	
Online Portal	https://support.kahua.com/support/home • Submit/update tickets and check status • Search our comprehensive knowledge base • View release notes • Register for training • Access Kahua University videos
Phone	(470) 524-8250
Email	support@kahua.com
Kahua Status	http://status.kahua.com

Service Level Agreement (SLA) Summary

The following summary encapsulates the key points regarding Kahua's SLA. In short, the license terms and conditions entail Kahua's commitment to providing support based on severity levels, ensuring system availability, and defining responsibilities for both Kahua and DLR/AML.

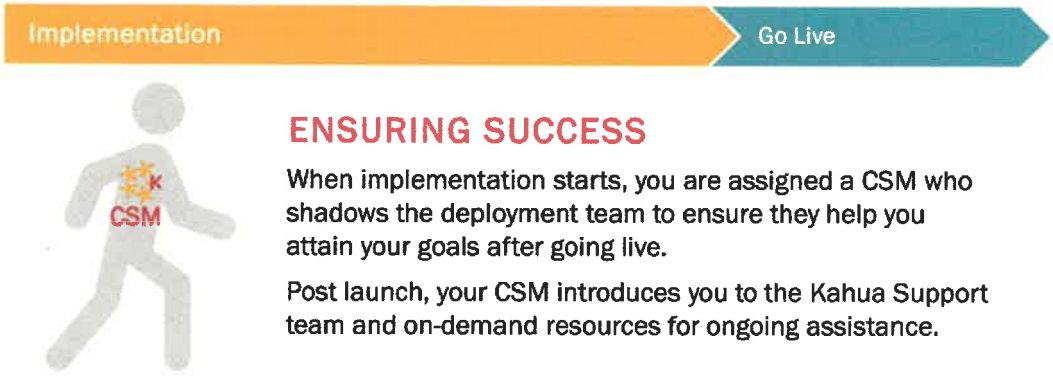
Table 2: Summary of Service Level Agreement

Kahua SLA Summary	
Scope of Agreement	Kahua agrees to provide Support Services for the Service paid for by Customer during the Term of the Agreement, as long as Customer is not in breach of any obligations.
Response Time by Priority	Kahua will respond to reported Errors or malfunctions based on severity categories. Priority 1 issues, which involve critical system downtime, will receive a response within 1 hour and resolution within 24. Priority 2 issues, which affect essential parts of the hosted Service, will be responded to within 2 hours and resolved within 3 business days. Priority 3 issues, which are deviations from Documentation, will be addressed within 2 business days.
System Availability	Kahua guarantees at least 99.7% uptime yearly, excluding scheduled downtime. Kahua will notify Customer promptly of any unscheduled downtime and provide updates until the Service is restored. Scheduled downtime will be notified at least 24 hours in advance.
Customer's General Responsibilities	Customer must promptly report Errors, designate technical staff for contact with Kahua, provide necessary information for issue replication, comply with Documentation, and follow Kahua's instructions. Customer's assistance is crucial for successful Support Services.
Kahua's Responsibilities	Kahua provides Support Services including telephone assistance, error correction, service updates, and technical support during specified hours. However, Kahua is not liable for Customer's obligations under the agreement. If Kahua agrees to provide Support Services arising from Customer obligations, Customer will pay for such services at Kahua's rates.

Kahua Personnel Resources

Customer Success Manager: You will be assigned a Customer Success Manager (CSM) who will serve as your primary point of contact. The CSM will ensure consistency across all phases of implementation and to facilitate clear communications within Kahua's team and with your user base.

Figure 7 : Customer Success Manager Role



The CSM also serves as the DLR/AML's advocate. CSMs are instrumental in helping clients realize the greatest value from the platform. Your CSM will help you take full advantage of new capabilities, engage with and navigating Kahua (including partners and kBuilder certification), increase adoption rates, and ultimately find Kahua to be a lasting solution that grows with your organization.

Optional: Managed Services Consultants (MSCs)

Kahua also offers MSCs, who are resources within our PSO who are available to provide ongoing training, support, administration, and other functionality related services. Offered as a fee-based service, they are most often called on by clients with a large user base and who require a heightened level of support or staff augmentation for Kahua domain administration activities. We believe in an MSC's ability to help a client realize the below advantages:

Table 3 : MSC Benefits

Managed Services Consultant Benefits	
Single POC	• Single escalation path for urgent issues • Offers Kahua expertise on client questions, issues, and enhancements • Bridges projects and stakeholders, ensuring user buy-in • Deep knowledge of DLR/AML's CMS requirements and Kahua roadmap
Increase User Adoption and Experience	• Guides onboarding, tracking user-adoption metrics to maximize ROI • Spotlights opportunities to drive deeper and wider Kahua usage • Recommends areas to increase usage and productivity • Helps establish champion/super user support models
Actively Communicate	• Provides release notes every 6 weeks, maintains collateral with client teams • Manages UAT feedback and provides comms on features/best practices • Guides custom development process with Kahua's extensive partner network
Advocate	• Represents DLR/AML in Kahua, escalating needs and investigating new features • Coordinates development work among partners, Kahua and DLR/AML • Clarifies user impact of each party's work across stakeholders

Training

Kahua offers extensive training resources from live, in-person sessions to an extensive on-demand video library available 24x7 for users and admins to keep to up to speed with all the latest features. The sections below summarize all available training options.

Kickoff Training

First, we will enable your key personnel with hands-on training that is included with your license. Details are below and your CSM can provide further detail upon request.

Table 4 : Kickoff Training Courses

Course	Description
Admin Training *Hands-on, live environment*	Domain admin training is intended for those who will manage the back end of Kahua. Topics covered include admin responsibilities, such as: • Creating and managing user accounts • Maintaining group permission profiles • Creating projects • Maintaining the company and contact databases • Maintaining system configurations • General maintenance of the system
End-user Training *Hands-on, live environment*	Intended for the field and office users who'll be required to use Kahua to manage projects. The course is limited to 15 users to ensure they receive more hands-on training. Delivered based on user roles and responsibilities within your organization, the course can span anywhere from 1 to 2.5 days per class. Topics covered include: • *Kahua Basics*: Logging in, profile management, basic navigation, user Interface, opening projects • *Kahua Apps:* Opening applications, creating and editing new records, multi-tasking, creating log views, workflows, reporting
Train-the-Trainer *Hands-on, live environment*	This three-day course is intended for those who will train other users and need advanced knowledge of the platform. Features include: • Each attendee is assigned an app at the end of day 2 • Day 3 is devoted to attendees demonstrating their training abilities • The instructor critiques performance in a written evaluation • Attendees receive either an 'Acceptable' or 'Unacceptable' score for their demonstration • A written exam is given at the end of day 3 • Trainees may access the live product and any training materials while taking the exam • The exam will consist of 20 multiple-choice or written questions

Kickoff Training Materials

The following training materials will be provided to all attendees for the courses above:

- Agendas: Detailed agendas will be provided all training sessions based on topics designated by the client. They can be reused during future sessions conducted by your internal trainers. These will break down the training topics, the discussion points, what is expected to be learned, and the topic durations.
- Quick Reference Guides (QRGs): These succinct guides help users with simple instructions, typically directed at a specific business process, department, or user type. They typically range from 1 to 5 pages and include high-level instruction and some visuals. The client will need to identify which areas of the product and which departments will require QRGs.
- Recorded Kickoff Videos: Kahua will record each of the training sessions we hold with the client. These videos will be loaded into a folder within the production environment. These videos will recap the topics covered in both the End-User and Domain Administrator trainings.

Documentation will be embedded directly into the Kahua platform, allowing users to access guides contextually within the app they are currently using. Additionally, system release documentation will be delivered with each major software update, outlining enhancements, resolved issues, and system optimizations to keep users informed of new capabilities.

By drawing on best practices refined through our extensive experience, Kahua delivers training materials and documentation that are intuitive, accessible, and aligned with the client's workflows.

Continuous Education (CE) Webinars

Included with your Kahua license is access to live monthly webinars. All CE webinars are also available to view after the live session from the support site.

Table 5 : CE Webinars

Webinar	Description
New User Training	For onboarding new users who couldn't attend the kickoff end-user training or for those who need a refresher, this webinar gives a general overview of the user interface. Topics include: • Registration • Basic navigation • Using file manager • How to collaborate across companies • Working in an application
New Domain Administrator Training	For domain admins who will manage the back end of the platform, this webinar covers: • Onboarding - adding users, adding licenses • Overview of Kahua – administrative responsibilities • Understanding permission management • How to configure your Kahua domain
Continuing Education Webinars	Users can enhance skills, learn from industry experts, and stay current with the latest Kahua apps. All CE webinars are available to view after the live session from the support site. Sample topics include: • Project directory • Release updates • Daily reports • Markup formulas and calculation templates • Bid management

Kahua University Video Library

Users can continue to hone their skills and learn on demand through an exhaustive library of topic-specific short videos on Kahua University. Easy-to-follow videos are designed for beginners, as well as contractors and domain admins, to simplify and enhance their experience using Kahua. Below is a small sample of available videos.

Figure 8 : Sample Online Videos

Kahua University | Configuration: Basic Overview

Kahua University | CSI Codes

Kahua University | Multi-Currency End User

Kahua University | Finding Budget Adjustments

kBuilder Training

Kahua offers kBuilder virtual courses for users to learn how to develop apps in a hands-on setting.

Table 6 : kBuilder Training Courses

Course	Description
kBuilder 101	Ideal for "citizen developers" who want to build and deploy applications for their organization. Topics covered include: • Overview and introduction to kBuilder • Using sandbox environments to test apps and get rapid feedback • Publishing applications using the Kahua App Repository • Building basic reports
kBuilder Cost Apps	kBuilder 101 is a prerequisite to this course. Topics include: • How to build a cost app • How to extend existing Kahua cost apps • Work breakdown structure • Cost units • Other concepts needed when working with cost apps
kBuilder Advanced Reporting	kBuilder 101 is a prerequisite to this course. Topics include: • Building reports to pull data across multiple projects and applications to surface important information

4.2.1.9 Data Security

Kahua implements comprehensive data security measures to protect customer information and ensure compliance with industry-leading standards such as SOC 2 Type 2.

Data at rest is encrypted using AES-256, and data in transit is secured with TLS 1.2 or higher. Encryption keys are securely stored in a key vault, rotated at least annually, and never reused or shared. Compromised or obsolete keys are immediately revoked and retired.

Customer data is never stored in non-production environments. Access to systems is strictly controlled based on the principles of least privilege and need-to-know, enforced through Role-Based Access Control (RBAC), Multi-Factor Authentication (MFA), and Single Sign-On (SSO) options. Passwords are encrypted, salted, and hashed.
Kahua enforces a structured stakeholder engagement process, requiring justification, approval, and security impact assessment before implementing modifications. Regular third-party penetration testing, employee security training, and secure development practices following OWASP best practices further strengthen data protection.

Physical access to data centers is strictly limited to authorized personnel and requires photo ID verification, fingerprint scanning, and iris scans for entry. Kahua uses a third-party intrusion detection service to scan for traffic anomalies and applies, audits, and improves data security policies continuously.

Only the Kahua Operations team has direct access to production environments, and all personnel with such access undergo background checks and security awareness training. Kahua's Incident Response Plan is maintained and audited annually, and in the event of a suspected breach, investigations begin within four hours, with affected organizations notified within forty-eight hours if a breach is confirmed.

These measures collectively ensure that sensitive information remains safeguarded against potential threats and unauthorized access.

4.2.1.10 Drone Operations

Kahua supports the integration, storage, and management of data captured by drones for construction monitoring, mapping, and discovery purposes. Drone-captured data, such as images, videos, and geospatial information, can be imported into Kahua and attached to their respective projects.

Kahua's Media Manager, which is part of the File Manager app, allows for storage of images and videos, which can be automatically tagged, georeferenced, and labeled. These media files are indexed with metadata for easy search and retrieval, and can be embedded in reports or attached to project records.

Kahua's GIS integration capabilities enable location- and asset-specific information gathered by drones to be linked with GIS tools such as ESRI ArcGIS, supporting mapping and spatial analysis. All operational data, including flight logs and tracking information, can be stored and managed within the platform, ensuring a comprehensive record of drone operations. This approach streamlines and optimizes drone data workflows, supports reporting, and ensures that all relevant operational data is securely recorded and accessible for project stakeholders.

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Approach & Methodology to Compliance with Mandatory Project Requirements (§ 4.2.2)

4.2.2.1 Federal Data Protection Regulations

Kahua provides secure data storage with robust encryption and compliance with state and federal data protection regulations. Data at rest is encrypted using AES-256 with RSA 2048, and data in transit is protected using TLS 1.2 or higher and HTTPS with strong ciphers.

Encryption keys are securely stored in a key vault, rotated at least annually, and never reused or shared. Compromised or obsolete keys are immediately revoked and retired.

Kahua is FedRAMP Moderate Authorized, SOC 2 Type 2 compliant, and utilizes ISO 2700 compliant data centers. The platform adheres to NIST 800 standards and supports federal, state, and local government requirements for data protection.

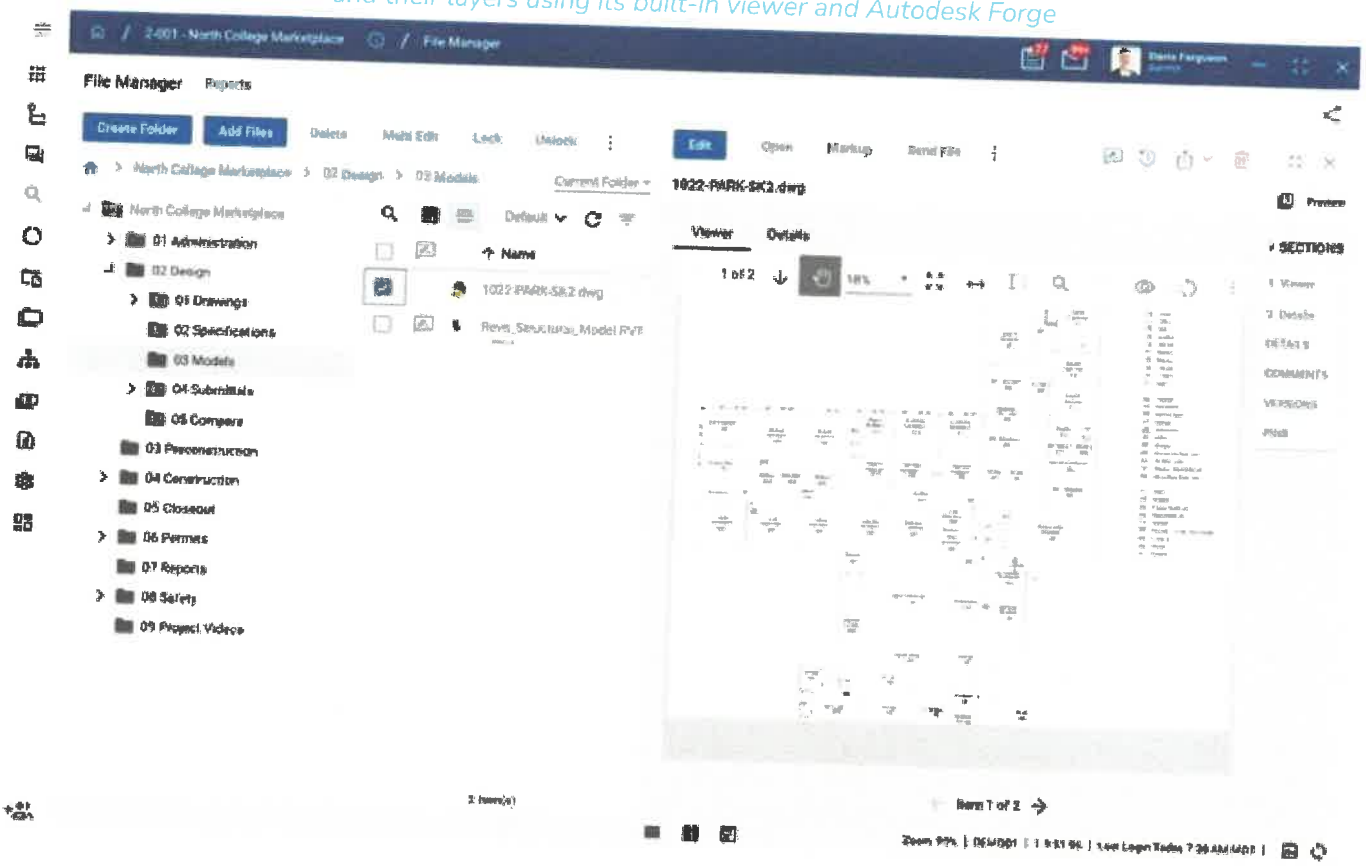
These certifications and controls ensure that Kahua meets or exceeds the strictest security and compliance standards required for secure data storage and handling.

4.2.2.2 Software Integrations (AutoCAD and ArcGIS)

Kahua is capable of integrating with both AutoCAD and ArcGIS. For AutoCAD, Kahua utilizes Autodesk Forge for 3D/model viewing and markup, and other file types such as CAD files can also be viewed in the system. Additional functionality for CAD creation/collaboration tools and integrations can be achieved through Kahua's API.

Kahua supports the out-of-the-box ability to view and markup AutoCAD files and their layers using its built-in viewer and Autodesk Forge. Further integration with AutoCAD could be achieved through Kahua's API, which would require additional configuration based on customer requirements.

Figure 9: Kahua supports the out-of-the box ability to view and markup AutoCAD files and their layers using its built-in viewer and Autodesk Forge



Developers can leverage entity markers to track and manage record changes efficiently, facilitating integrations that require identifying updated records. The flexible Query endpoint can pull data from any Kahua app, with detailed usage examples in Kahua's Postman collection and corresponding documentation pages. This approach simplifies API-based integrations and data migrations, allowing users to craft precise, efficient queries that meet their project needs.

4.2.2.3 Data Export Formats

Kahua uses a JSON API for integration and supports exporting data, including PDF, Excel, CSV, and HTML. Reports and dashboards can be exported to PDF, Excel (XLS), and CSV file formats. The Snapshot feature enables customers to save or archive projects at completion or intervals to other storage drives, saving every record in its native file type and .JSON files with all metadata.

Kahua also supports importing and exporting project schedules in MS Project formats, including MPP and MSPDI XML export. Additionally, Kahua allows for the storage and viewing of Microsoft Office file formats such as Word, Excel, and PowerPoint.

4.2.2.4 Cross-Platform Compliance

Kahua is cross-platform compliant and supports HP and Dell desktops running Microsoft Windows 10 and 11. The solution is also compatible with iPhone and iPad mobile operating systems. Kahua's mobile applications are available on iOS, Android, and Windows, and provide a consistent user experience across devices.

The integrated mobile applications function both online and offline. Users must enable the app and project for offline mode prior to first use. While offline, users can access and manipulate plans, specifications, submittals, forms, and reports, as well as complete checklists, capture issues, and perform inspections. Most business process functionality is supported offline, except for features requiring real-time communication with the data center, such as reporting.

Kahua's mobile platform allows for collaboration, field report generation, multimedia data capture (including photos and talk-to-text), geotagging, and date/time stamping. Once an internet connection is re-established, all locally stored data is automatically synced and reconciled with the main database, ensuring project data is updated and all collected information is uploaded.

Qualifications and Experience (§ 4.3)

Successful prior experience providing workflow and project management systems (4.3.1.1)

OnIndus and Guidehouse have a strong track record of implementing Construction Management Systems including Kahua for public agencies, focusing on capital programs, regulatory compliance, and stakeholder collaboration. The examples below demonstrate our experience delivering effective, scalable solutions in the public sector.

Transforming Charleston International Airport's Operations (OnIndus and Kahua)

Client: Charleston International Airport (CHS), Charleston, South Carolina
Services: Discovery, Workflow Automation, Financial Dashboards, Custom Reporting, SSO Integration

Overview: Handling over six million passengers annually and contributing $4.5B to South Carolina's economy, CHS faced operational inefficiencies from fragmented systems, manual processes, and limited financial visibility.

Solution: OnIndus deployed the Kahua platform to centralize data, automate workflows for RFIs, change orders, and invoices, and streamline vendor submissions. Real-time dashboards provided live tracking of budgets, KPIs, and grants, while SSO integration simplified user access and reduced IT workload. Custom financial reports improved transparency for agencies. The system was fully implemented in just 100 days.

This project demonstrates OnIndus's ability to implement scalable Construction Management Systems for complex public infrastructure programs, with a focus on collaboration, transparency, financial oversight, and integration with existing workflows. The challenges addressed for CHS mirror many of those identified in WVDEP's RFP for the Abandoned Mine Lands CMS initiative, and our team is equipped to bring similar success to your program.

University of Illinois' Digital Transformation (OnIndus and Kahua)

Client: The University of Illinois

Overview
The University of Illinois partnered with OnIndus to modernize capital project management across its three campuses, replacing outdated tools and disconnected workflows with a centralized, scalable solution. This initiative parallels WVDEP's vision for modernizing its AML Construction Management System. Hundreds of projects and thousands of contracts were managed through siloed, unsupported systems lacking mobile access and integration with financial platforms—similar to WVDEP's current AMLNET limitations.

Solution
OnIndus implemented the Kahua platform, consolidating all project data into a single cloud-based system with customized workflows, centralized document storage, and API-driven integrations to Microsoft Dynamics and other enterprise systems. Single sign-on improved security, while mobile tools enabled offline field access for inspections and updates. The transformation delivered faster project delivery, reduced manual work, improved audit readiness, and enhanced transparency. Centralized data improved reporting, and mobile access boosted field productivity, demonstrating OnIndus's ability to deliver scalable CMS solutions for public sector needs.

General Services Administration - GSA ODC Program Management Advisory Services (Guidehouse and Kahua)

Client: General Services Administration

Guidehouse provided agile analytics and data management support to the U.S. General Services Administration (GSA) Public Buildings Service (PBS), specifically the Office of Design and Construction (ODC) Information Management Division and the Office of Portfolio Management and Customer Engagement. Their work included maintaining and enhancing key dashboards—such as the PBS Customer Dashboard, Small Projects Dashboard, Courthouse Program Dashboard, and RWA Dashboard—by implementing updates to KPIs, formatting, filters, and performance. They also supported MicroStrategy and Kahua reporting, developed automated reporting and ticketing solutions, and facilitated data integration and validation for Kahua. Additionally, Guidehouse created over 40 ETLs to move Kahua data into D2D's MySQL database and supported the development of Kahua-based data marts, ensuring efficient and cost-effective reporting capabilities for GSA.

U.S DOS Program Management Support for Kahua and Archibus (Guidehouse and Kahua)

Client: U.S Department of State

Guidehouse is supporting the deployment of Kahua for the U.S. Department of State's Bureau of Overseas Building Operations (OBO), delivering a strategic roadmap, Agile project management integration, and technical upskilling to enhance system efficiency and streamline project execution. In parallel, Guidehouse is supporting the implementation of Archibus as the Department's Integrated Workplace Management System (IWMS), providing services including strategic planning, data integration, Revit compatibility, and stakeholder engagement. These efforts advanced the Department's modernization objectives by improving construction oversight, optimizing space and asset management, and establishing scalable, sustainable systems.

State of WV Home Energy Rebate Plan – IRA Section 50121 & 50122 (Guidehouse)

Client: West Virginia Office of Energy

The State of West Virginia Home Energy Rebate Planning project, funded under IRA Sections 50121 and 50122, supports the West Virginia Office of Energy (WVOE) in designing and preparing for a statewide rebate program aimed at improving residential energy efficiency and electrification. Guidehouse has led efforts across program design, stakeholder engagement, application development, and subrecipient onboarding. This includes creating DOE-compliant frameworks, conducting housing and workforce assessments, facilitating public input sessions, and drafting key application materials such as narratives, budget justifications, and implementation blueprints.These efforts culminated in the successful submission of West Virginia's State Application and Implementation Blueprints to the U.S. Department of Energy, positioning the state for effective program launch and long-term market transformation.

Program Oversight and Monitoring (Guidehouse)

Client: West Virginia Department of Health & Human Resources | Bureau for Medical Services

From 2018 to 2022, Guidehouse supported West Virginia's Bureau for Medical Services in overseeing and improving Medicaid managed care programs. They ensured regulatory compliance, updated contracts, led readiness reviews for program expansions, and developed dashboards and data analyses to enhance efficiency and outcomes. Guidehouse also drafted 1915(b) waivers, assessed postpartum coverage extensions, and projected COVID-19 testing and vaccination costs, demonstrating a comprehensive and adaptive oversight approach.

Rebekka Byrnes

Project Manager -Kahua Implementation Specialist

PROFILE

Rebekka is a Project Manager & Sr. Capital Project Analyst at OnIndus. She brings 5+ years of Consulting Services and
Client Training experience as well as 7+ years of Heavy Civil Construction experience.

AREAS OF EXPERTISE

Stakeholder engagement
Project Controls Strategy
Systems Training and Adoption
Document Control

INDUSTRY EXPERTISE

Heavy Civil Construction
SaaS

EDUCATION

B.S. in Civil Engineering
University of Central Florida

SOFTWARE

Kahua
MS Project
Bluebeam
Vista by Viewpoint
InEight
P6
HCSS

Summary

Rebekka is an accomplished project manager with extensive experience in delivering end-to-end project management solutions using Kahua. Her expertise lies in implementing SaaS solutions, conducting user acceptance testing (UAT), and driving user adoption through structured training and knowledge-sharing initiatives.

Experience

Project Planning and Execution

- Led the design, testing, and deployment of custom Kahua applications, ensuring alignment with client goals in utilities, & government sectors.
- Managed UAT processes to validate workflows, delivering tailored SaaS solutions that improved project efficiency and decision-making.

Post-Implementation Support

- Oversaw hypercare phases, ensuring seamless transitions by resolving system issues and optimizing workflows.
- Partnered with IT and business teams to identify and mitigate inefficiencies, enhancing overall system performance.

Stakeholder Training and Enablement

- Designed and delivered onboarding programs to equip clients with the skills to effectively manage Kahua workflows.
- Produced comprehensive guides and training materials to support adoption and ensure long-term project success.

Process Standardization and Best Practices

- Developed standardized templates and guidelines for workflow documentation, testing, and deployment to ensure consistency
- Established productivity-enhancing practices for application management and operational efficiency.

Team Enablement and Handover

- Transitioned projects from consultant-led to client-led management through structured training and shadowing programs, strengthening internal teams' capabilities.

Edward Hoagland

Senior Solution Architect / SME

AREAS OF EXPERTISE

Business Performance Improvement
Project Management Optimization
e-Builder Solutions
Enterprise Integration
Enterprise Data Migration
P6

INDUSTRY EXPERTISE

Government-Transit
Government-Public Works
Finance
Higher Education
K-12

EDUCATION

B.S. - University of Southern California

SOFTWARE

Program & Project Management
Kahua
Timble Construct (eBuilder)
Prolog Manager, Converge & Mobile
ProjectSight

Autodesk
Revit
Navisworks
BIM 360
ReCap

Scheduling
Microsoft Project
Primavera P6
Vico Schedule Planner

Summary

Edward is a seasoned solution architect with extensive experience in implementing and managing **Kahua-based platforms**, aligning technology solutions with client-specific project management needs. With a strong background **(Two Decades)** in Agile methodologies and PMIS tools, Edward excels in creating scalable solutions that empower clients to achieve operational excellence.

Experience

Development and Implementation Expertise

- Led a multi-phase Kahua implementation for a public utilities provider, delivering workflows to manage a $2 billion capital program, including reporting, risk management, and forecasting.
- Developed and implemented scalable custom Kahua applications for government and municipal clients, ensuring alignment with their unique processes and compliance requirements.

Training and Enablement

- Designed and conducted customized training programs for end-users and developers, enabling client teams to independently manage Kahua systems.
- Delivered structured knowledge transfer sessions to facilitate a smooth transition from consultant-led to client-led operations.

Documentation and Best Practices

- Created comprehensive documentation, including requirement templates, test scripts, and deployment guides for over 50 workflows.

Common Code and Reusable Solutions

- Designed reusable components for user access management, audit logging, and notification systems, reducing development time by 25% across multiple projects.

Akshay Pai

Senior Consultant | New York, NY

PROFILE

Akshay is a Sr. Consultant at OnIndus where he brings 6+ years of IT Development & Client Management Experience. He led various training programs for several clients across industries.

AREAS OF EXPERTISE

Software Development
Program Management
Information System Implementation
Project Controls Strategy
Systems Training and Adoption Management

INDUSTRY EXPERTISE

Private Healthcare
Financial Institutions
Higher Education
Interactive Reporting

EDUCATION

Masters in Computer Applications from University of Mumbai
MBA (Dual Major in Marketing & Information Systems) from Fordham University

SOFTWARE

Kahua
Monday.com
e-Builder
Asana
Open Source Technologies

EXPERIENCE

OnIndus
July 2022 - Present

- Responsible for assisting Project Managers with Internal and external product implementation & training for all professional services, support services, and custom development personnel.
- Accountable for the development and coordination of product training to both internal and external clients.
- Sr Consultant for Parkview Health, Elion Partners, Dartmouth University, USC, Quinn Residences, Group14 and Others

The Avo Shopping Company
2021 - 2022

- Managed client onboarding and fostered over 56 ongoing relationships by acting as the POC, setting appropriate goals, analyzing & resolving possible conflicts, researching potential opportunities and seamless delivery of projects
- Successfully oversaw execution & delivery of 143 projects, on time & within budget

WisdmLabs
2014 - 2018

- Successfully managed a team of 10 Business Development Executives & 40 Software Engineers to deliver custom development projects & explore new products
- Led and executed various custom development & implementations using Open Source Technologies for clients in higher education, k-12, healthcare, e-Commerce and technology.
- Created & Implemented WisdmLabs Training Program utilizing Moodle for internal & external clients

Notable Clients using Training Solutions
Tata Capital
Tech Mahindra
Media.net
VIBGYOR

Beau Esmonde - Kahua

Director of Client Implementations

AREAS OF EXPERTISE

Project management of enterprise software implementations
Business process analysis and workflow optimization
Client engagement, training, and user adoption strategies
Bridging client needs with technical delivery teams

INDUSTRY EXPERTISE

Public sector, higher education, healthcare, and corporate environments
Construction management and compliance solutions
Experience with clients including CBRE, Veterans Affairs, Vanderbilt University Medical Center, Floor and Décor, and school districts

EDUCATION

Bachelor of Business Administration (BBA) degree in Finance, The University of Georgia
Certified Information Systems Auditor (CISA)

TECHNOLOGY EXPERIENCE

Kahua platform configuration and deployment
SAP Governance Risk and Compliance (GRC) implementation
API integrations with enterprise systems
Workflow automation, compliance management, and reporting dashboards

Summary

Beau will serve as the Director of Client Implementations, leading the Kahua delivery team throughout the deployment. He will be the primary liaison between WVDEP and Kahua, ensuring business requirements are met, workflows are optimized, and the system is configured to align with operational needs.

Experience

- Beau has developed strong project management skills through his years of managing projects that vary in complexity, timeframe, resources to manage, and budget
- Beau has strong communication skills and the ability to identify business value and project goals and effectively communicate those to project stakeholders. Through his strong communication skills, Beau has demonstrated the ability to develop good relationships and trust with his clients.
- Beau has shown the ability to understand clients needs and develop creative solutions to effectively and efficiently address those needs to achieve a common goal.
- Beau has abilities to develop and deliver relevant training curriculums for a variety of stakeholders.
- Beau has demonstrated a strong ability to provide a software demonstration that gets delivered in such away that so that the client understands what they would be getting and provides excitement around the tool.
- Prior experience include: Ernst & Young LLP (EY) – Manager, Risk Transformation Consultant: Led SAP GRC implementations, serving as primary client contact and managing internal/external teams. Guided clients in assessing current compliance processes, performing gap analyses, and designing streamlined future-state governance models. Oversaw solution design, testing, and knowledge transfer to ensure requirements were met, adoption increased, and operational efficiency improved.

Alex Shumate - Guidehouse

Senior Consultant, Capital Projects & Infrastructure

AREAS OF EXPERTISE

Large program operations and workflow optimization
Data analysis, visualization, and targeted briefing development
Project selection, implementation evaluation, and grants management
Process improvement and compliance monitoring
Project schedule creation and management

INDUSTRY EXPERTISE

Capital projects and infrastructure for public agencies
Affordable housing and community development
Utility regulatory compliance and clean energy initiatives
Emergency Rental Assistance Programs (state-level)
Federal and state grant funding strategies

EDUCATION

Bachelor of Science in Civil Engineering, North Carolina State University

SOFTWARE

Microsoft Excel, Power BI, SQL, Microsoft Project, Microsoft PowerPoint
Kahua platform
Federal grant evaluation tools and data analysis platforms

Summary

Alex Shumate is a Senior Consultant in the Capital Projects & Infrastructure practice of Guidehouse. Mr. Shumate provides detailed analytical support and develops clear and targeted briefing materials for technical and non-technical audiences. Mr. Shumate has expertise in project technology and construction project management in the capital infrastructure space and has contributed to several strategy development projects. Mr. Shumate has a passion for technology training & deployment.

Mr. Shumate has a background in construction project management, providing a concept to completion process for clients from initial due diligence and design/layout, to estimating and budgeting. Mr. Shumate has a bachelor's in civil engineering from North Carolina State University.

Experience

Senior Consultant – Guidehouse (2022–Present)

- Led capital project monitoring for Travis County, TX, creating compliance tracking, site inspection reviews, and invoice package reviews.
- Developed operational models, SLA metrics, dashboards, SOPs, and technical training for New York State ERAP.
- Conducted fund reallocation analysis for Pennsylvania ERAP, providing training to county officials.
- Created a 3-year regulatory roadmap for Duquesne Light, aligning operations with clean energy goals.
- Assessed and prioritized projects for Avangrid's BIL strategy; supported a $30M GRIP grant win.

Project Manager – ARCO Design/Build (2020–2021)

- Managed construction projects from due diligence to completion, including budgeting, scheduling, and quality oversight.

Co-op Intern – Brasfield & Gorrie (2018–2020)

- Supported project teams in construction management, documentation, and scheduling.

4.3.1.3. Experience providing simplified requisition processes for users and automated routing for approval

Kahua has successfully implemented simplified requisition processes with automated approval routing for multiple clients. At Charleston International Airport, we replaced siloed Excel-based workflows with a centralized system that automated Change Orders, Invoice Approvals, and RFIs, enforcing consistent approval routing and eliminating duplicate entry. For the General Services Administration, we integrated Kahua with financial and project intake systems so new requisitions are automatically created, pre-populated with required data, and routed via dynamic workflows for review and approval. The Midwest Sewer District transitioned from manual, paper-based requisitions to Kahua's configurable workflows, enabling automated routing of high-volume pay requests through the correct approval chain. These projects reduced cycle times, eliminated redundant data entry, and improved accuracy and transparency.

4.3.1.4. Experience, certifications and specializations in Microsoft and/or Google Workspaces.

OnIndus has extensive experience integrating and supporting enterprise-level platforms, including Microsoft and Google Workspace environments, to enhance collaboration, document management, and secure communication in construction and capital project settings. Our technical teams are proficient in deploying and integrating Microsoft 365 tools—such as SharePoint, Teams, OneDrive, and Outlook—into construction management systems to streamline workflows and optimize project collaboration. These integrations are particularly valuable in public sector environments that require secure file sharing, document version control, calendar coordination, and audit trails. Our professionals hold certifications and advanced experience in Microsoft technologies including:

- Microsoft Certified: Azure Fundamentals & Administrator Associate
- Microsoft 365 Certified: Enterprise Administrator Expert
- SharePoint Power Users and Developers Certification
- Proficiency in Power Automate, Power BI, and Excel for advanced reporting, dashboarding, and automation
- Use of Microsoft Dynamics in integrated environments with Kahua and other project management platforms

We have implemented integrations between Microsoft Dynamics (Great Plains), SharePoint, and construction management tools like Kahua, allowing for bi-directional workflows, seamless document synchronization, and improved operational transparency. For example, in past projects we successfully digitized approval processes between Microsoft Dynamics and Kahua, reducing manual interventions, eliminating redundant document handling, and accelerating project timelines.

While our engagements have primarily centered on Microsoft technologies, our team also has working knowledge and experience in Google Workspace, supporting client organizations using Gmail, Google Drive, Docs, Sheets, and Forms within project environments. We assist in integrating these tools into custom workflows or migrating document libraries into platforms like Kahua or SharePoint, as needed.

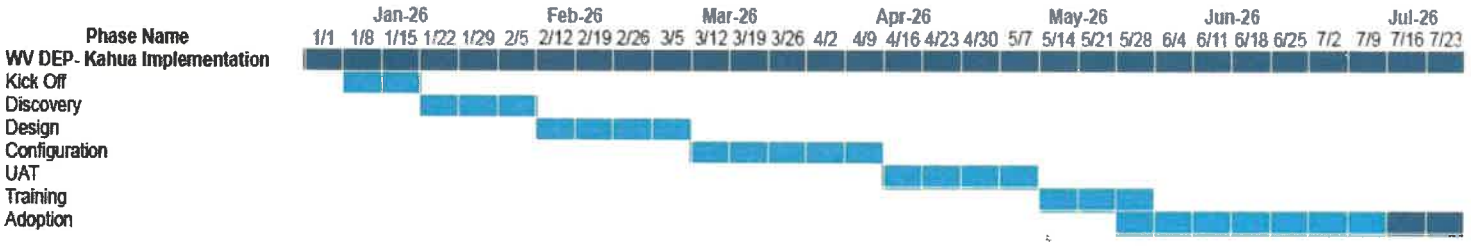
OnIndus is well-versed in configuring permission structures, user access roles, and governance policies within both Microsoft and Google ecosystems—ensuring compliance with data security requirements and industry best practices. This technical versatility allows us to meet the collaboration and productivity tool preferences of each client while maintaining a unified, secure digital project environment.

Project Plan

The following phased implementation plan outlines the key milestones and deliverables for the WVDEP Abandoned Mine Lands Construction Management System deployment. Each phase is designed to ensure a structured progression from planning and design through deployment and sustainment, with clearly defined outcomes to measure success. This approach leverages OnIndus's proven Kahua Delivery Methodology, ensuring WVDEP receives a fully configured, tested, and adopted solution—delivered on time, within scope, and ready for long-term operation.

Phases	Key Milestones	Key Deliverables
Kick Off **Jan 1, 2026 – Jan 15, 2026**	• Contract execution • Project kickoff meeting • Initial stakeholder alignment • Communication plan approval	• Project Charter & Plan • Stakeholder Engagement Plan • Communication Plan
Discovery **Jan 15, 2026 – Feb 12, 2026**	• Completion of discovery workshops • Requirements gathering completed • System and process gap analysis finalized • Data inventory assessment	• Discovery Report • Current State Assessment • Gap Analysis & Data Inventory Report • High-Level Functional Requirements
Design **Feb 12, 2026 – Mar 5, 2026**	• Workflow designs approved • System architecture finalized • Integration approach agreed upon • Data migration strategy completed	• Process Flow Diagrams • Configured Forms/Templates • Integration Specifications • Data Migration Strategy Document • Design Sign-Off
Configuration **Mar 5, 2026 – Apr 16, 2026**	• Kahua environment configured • Workflows and permissions finalized • Metadata and forms setup • Data migration test load completed	• Configured Kahua Environment • Data Migration Plan • Admin Configuration Documentation • Workflow Configuration Guides • Test Migration Data Set
UAT **Apr 16, 2026 – May 14, 2026**	• UAT scenarios completed • All defects resolved • Regression testing finalized • User sign-off achieved	• UAT Scripts & Results • Test Summary Report • Issue Resolution Log • Regression Test Results • UAT Approval Sign-Off
Training **May 14, 2026 – Jun 11, 2026**	• Admin training delivered • End-user training completed • Train-the-Trainer sessions delivered • Training feedback review	• Training Materials & Recordings • Knowledge Transfer Documentation • Training Feedback Summary
Adoption (Deploy & Operate) **Jun 11, 2026 – Jul 23, 2026**	• Go-live & Post-go-live support initiated • System performance review • Lessons learned workshop	• Live Production System • Post-Go-Live Support Plan • Lessons Learned Document • Performance Benchmark Report

The following graphical timeline illustrates our phased approach to implementing the WVDEP Abandoned Mine Lands Construction Management System. Each phase—spanning from project kickoff through adoption—is strategically structured to ensure smooth execution, timely delivery, and measurable outcomes. Key milestones and deliverables are mapped to provide clear visibility into progress, while overlapping activities are planned to accelerate implementation without compromising quality. This schedule ensures WVDEP achieves full operational readiness on time and within scope, with training and support embedded throughout the process.



Support, Training and Maintenance 4.2.1.8

For agencies like WVDEP managing complex, multi-stakeholder construction and infrastructure programs, ensuring that users—from domain administrators to field personnel—are fully trained and supported is a critical factor for success. Without proper training, adoption gaps, user errors, and underutilization can undermine system performance. Likewise, when issues arise, timely and structured technical support is essential to maintain productivity and system uptime.

To address these needs, OnIndus in partnership with Guidehouse and Kahua offer a comprehensive, user-centered training, support, and maintenance framework that empowers users and ensures long-term, reliable system performance.

Training Services

The OnIndus and Guidehouse training approach is grounded in accessibility, clarity, and adaptability to meet the diverse needs of field-based staff, office administrators, and technical leads. Training is delivered in multiple formats to accommodate different learning styles and schedules, including live virtual sessions, hands-on workshops, and quick-reference guides.

- Admin Training – Focused on system configuration, user account management, permissions, templates, reporting, and governance best practices to ensure secure, efficient administration.
- End-User Training – Delivered in small, role-based groups (e.g., field staff, project managers, finance teams) and tailored to AML-specific workflows like RFIs, reporting, inspections, and progress tracking.
- Train-the-Trainer – Prepares internal champions to deliver future training and onboard new users, supported by customized WVDEP training materials and system guides for long-term knowledge retention.

Training is not a one-time event. Ongoing refresher sessions, feature update briefings, and on-demand coaching will be available to keep users confident, capable, and aligned with evolving system functionality.

Support Services

Post go-live, OnIndus serves as WVDEP's first line of support, bridging agency users with Kahua's technical team. Our support includes:

- Help Desk – Incident triage, troubleshooting, and resolution, whether due to system issues or user misunderstandings.
- User Coaching – Addressing process gaps and reinforcing best practices to improve adoption and efficiency.
- Optional Managed Services – Administrative and system maintenance under a Service Level Agreement (SLA) to ensure guaranteed response times and uptime.

Maintenance Services

Kahua's Enterprise Licensing Agreement includes defined response times for system-related incidents. Together with OnIndus's proactive monitoring, configuration updates, and performance tuning, WVDEP will benefit from a stable, secure, and continuously optimized CMS environment.

To ensure WVDEP receives timely, reliable, and high-quality support for the Kahua Construction Management System, OnIndus will maintain a structured Service Level Agreement (SLA). All incoming requests will be categorized by priority level based on impact and urgency. Resolution times are measured from the moment the issue is logged in the Help Desk system until the time a verified fix or workaround is provided.

Severity Categories	Definition	Time to Respond	Time to Resolution
Priority 1	Production system is completely unavailable or is inoperable, or is affected such that critical business processes are completely unavailable or inoperable.	Within 1 hour	Kahua will use reasonable efforts to provide a fix, or acceptable work around, and work continuously to resolve following receipt of notification and validation of Priority 1 issue.
Priority 2	Production system is available, but critical business processes and multiple users are substantially impacted, or are affected such that critical business processes are unavailable or inoperable.	Less than 4 hours	Kahua will make reasonable efforts to provide a fix or acceptable workaround within five (5) business days from the time Kahua is able to replicate the Error
Priority 3	Production system is available, but a single user or non-critical business processes are adversely impacted, or the test or development systems functions, but multiple users are impacted.	2 business days	Kahua will make reasonable efforts to provide a fix or acceptable workaround within ten (10) business days or provide in a scheduled service or maintenance release.

References

OnIndus, with partners Kahua and Guidehouse, has a strong track record of delivering scalable Construction Management Systems for public agencies. The following references highlight projects similar in scope to WVDEP's needs, showcasing our ability to streamline workflows, enhance collaboration, and ensure compliance.

Client	University Of Illinois
Contact name	Angela Jacobs
Title	Director at University of Illinois System
Email	ajacobs1@uillinois.edu
Phone	217.300.8567

Client	Charleston International Airport
Contact name	Adriana Briggs
Title	Project Coordinator
Email	abriggs@iflychs.com
Phone	843.767.7132

Client	West Virginia Office of Energy
Contact name	Clayburne Stevens
Title	Program Manager
Email	clayburne.a.stevens@wv.gov
Phone	304.352.4177

Exclusions and Assumptions

Exclusions

The following areas are not included in the scope of this engagement.

- Data migration from other systems.
- Integration with other software.
- Creation of custom applications within Kahua software
- Custom workflows or adding additional fields (except the ones added through configuration).

Assumptions

- Implementation is limited to standard system application and configuration. All requirements listed in section 4.2 of solicitation document are met with standard system application and configuration.
- Custom development will be scoped separately.
- Integration capabilities are listed in technical approach. Custom integrations with other software will be scoped separately.
- The primary delivery model will be remote with limited travel. A $10,000 travel budget is included in cost proposal for essential in-person meetings or site visits.
- A dedicated Customer Success Manager is included in the Kahua subscription fees at no cost.
- Pricing in cost proposal is reflective of the project plan and timeline for implementation of standard system application and configuration.
- Pricing shown in items 1-3 in attachment a: cost sheet reflect cost for year 1 of construction software implementation and support. Additional support requirements for years 2-6 are unknown and will be scoped separately.
- Project plan and timeline is assuming starting January 2026. The start date may be subject to change.

Attachments

Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Centralized Request for Proposals
Info Technology

Proc Folder: 1645445

Doc Description: AML Construction Management System

Proc Type: Central Master Agreement

Reason for Modification:
Addendum #1 issued to extend bid close date until 8/20/2025 @ 1:30 PM ET.

Date Issued	Solicitation Closes	Solicitation No	Version
2025-08-01	2025-08-20 13:30	CRFP 0313 DEP2600000001	2

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Customer Code: VS0000038411

Vendor Name : SPV Associates Inc. DBA OnIndus

Address : Headquarter Address below

Street : 433 Plaza Real Suite 275 Mizner Park

City : Boca Raton

State : FL **Country :** USA **Zip :** 33433

Principal Contact : Vikas Handa, Chief Operating Officer

Vendor Contact Phone: 704-904-3673 **Extension:**

FOR INFORMATION CONTACT THE BUYER
Joseph (Josh) E Hager III
(304) 558-2306
joseph.e.hageriii@wv.gov

Vendor Signature X Vikas Handa **FEIN#** 831641963 **DATE** 08/13/2025

All offers subject to all terms and conditions contained in this solicitation

Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Centralized Request for Proposals
Info Technology

Proc Folder: 1645445			**Reason for Modification:**
Doc Description: AML Construction Management System			Addendum #3 issued to publish agency responses to all vendor submitted questions.
Proc Type: Central Master Agreement			
Date Issued	**Solicitation Closes**	**Solicitation No**	**Version**
2025-08-14	2025-09-04 13:30	CRFP 0313 DEP2600000001	4

ID RECEIVING LOCATION

ID CLERK
EPARTMENT OF ADMINISTRATION
URCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Customer Code: VS0000038411
Vendor Name : SPV Associates Inc. DBA OnIndus
Address : Headquarter Address below
Street : 433 Plaza Real Suite 275 Mizner Park
City : Boca Raton
State : FL **Country :** USA **Zip :** 33433
Principal Contact : Vikas Handa, Chief Operating Officer
Vendor Contact Phone: 704-904-3673 **Extension:**

OR INFORMATION CONTACT THE BUYER

oseph (Josh) E Hager III
304) 558-2306
oseph.e.hageriii@wv.gov

Vendor Signature X Vikas Handa **FEIN#** 831641963 **DATE** 08/28/2025

All offers subject to all terms and conditions contained in this solicitation

SOLICITATION NUMBER: CRFP 0313 DEP2600000001
Addendum Number: No.01

The purpose of this addendum is to modify the solicitation identified as ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

[✔] Modify bid opening date and time

[ ] Modify specifications of product or service being sought

[✔] Attachment of vendor questions and responses

[ ] Attachment of pre-bid sign-in sheet

[ ] Correction of error

[ ] Other

Description of Modification to Solicitation:

Addendum issued to publish and distribute the attached documentation to the vendor community.

1. To extend bid close date until 8/20/2025 @ 1:30 PM ET to allow agency additional time to complete their responses to the vendor submitted questions. An additional Addendum will be forthcoming containing agency responses to all vendor submitted questions.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.

2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

SOLICITATION NUMBER: CRFP 0313 DEP2600000001
Addendum Number: No.02

The purpose of this addendum is to modify the solicitation identified as ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

[✓] Modify bid opening date and time

[ ] Modify specifications of product or service being sought

[ ] Attachment of vendor questions and responses

[ ] Attachment of pre-bid sign-in sheet

[ ] Correction of error

[ ] Other

Description of Modification to Solicitation:

Addendum issued to publish and distribute the attached documentation to the vendor community.

1. To extend bid close date until 9/04/2025 @ 1:30 PM ET to allow agency additional time to complete their responses to the vendor submitted questions. An additional Addendum will be forthcoming containing agency responses to all vendor submitted questions.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.

2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

SOLICITATION NUMBER: CRFP 0313 DEP2600000001
Addendum Number: No.03

The purpose of this addendum is to modify the solicitation identified as ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

[ ] Modify bid opening date and time

[ ] Modify specifications of product or service being sought

[✓] Attachment of vendor questions and responses

[ ] Attachment of pre-bid sign-in sheet

[ ] Correction of error

[ ] Other

Description of Modification to Solicitation:

Addendum issued to publish and distribute the attached documentation to the vendor community.

1. To publish agency responses to all vendor submitted questions.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.

2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CRFP DEP26*01

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

[x]	Addendum No. 1	[ ]	Addendum No. 6
[x]	Addendum No. 2	[ ]	Addendum No. 7
[x]	Addendum No. 3	[ ]	Addendum No. 8
[ ]	Addendum No. 4	[ ]	Addendum No. 9
[ ]	Addendum No. 5	[ ]	Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

SPV Associates Inc. DBA OnIndus
Company

Authorized Signature

08/29/2025
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

ADDITIONAL INFORMATION

The West Virginia Department of Administration, Purchasing Division (hereinafter referred to as the "Purchasing Division") is issuing this solicitation as a request for proposal ("RFP"), as authorized by W. Va. Code 5A-3-10b, for the West Virginia Department of Environmental Protection, Division of Land Restoration (hereinafter referred to as the "Agency") to develop, implement, and provide training and support for a Construction Magangement System per the attached specifications and terms and conditions.

***Online responses have been prohibited for this solicitation, if you have questions contact the Buyer - Josh Hager - Joseph.E.HagerIII@wv.gov ***

INVOICE TO	SHIP TO
ENVIRONMENTAL PROTECTION OFFICE OF AML&R 601 57TH ST SE CHARLESTON WV 25304 US	STATE OF WEST VIRGINIA VARIOUS LOCATIONS AS INDICATED BY ORDER No City WV 99999 US

Line	Comm Ln Desc	Qty	Unit of Measure	Unit Price	Total Price
1	Discovery & Planning Phase				Please see the attached cost proposal

Comm Code	Manufacturer	Specification	Model #
81111500			

Extended Description:
Discovery & Planning Phase

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Line	Comm Ln Desc	Qty	Unit of Measure	Unit Price	Total Price
2	Development, Implementation & Integration				Please see the attached cost proposal

Comm Code	Manufacturer	Specification	Model #
81111500			

Extended Description:
Development, Implementation & Integration

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Line	Comm Ln Desc	Qty	Unit of Measure	Unit Price	Total Price
3	Consultant			Please see the attached cost Proposal	

Comm Code	Manufacturer	Specification	Model #
81111500			

Extended Description:
Consultant Hours - Includes user & admin training, post-implementation customization, and consultation as needed.

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Line	Comm Ln Desc	Qty	Unit of Measure	Unit Price	Total Price
4	Year 1 Maintenance & Support Services			Please see the attached cost proposal	

Comm Code	Manufacturer	Specification	Model #
81112200			

Extended Description:
Year 1 Maintenance & Support Services

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Line	Comm Ln Desc	Qty	Unit of Measure	Unit Price	Total Price
5	Year 2 Maintenance & Support Services			Please see the attached cost proposal	

Comm Code	Manufacturer	Specification	Model #
81112200			

Extended Description:
Year 2 Maintenance & Support Services

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Line	Comm Ln Desc	Qty	Unit of Measure	Unit Price	Total Price
6	Year 3 Maintenance & Support Services			Please see the attached cost proposal	

Comm Code	Manufacturer	Specification	Model #
81112200			

Extended Description:
Year 3 Maintenance & Support Services

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Line	Comm Ln Desc	Qty	Unit of Measure	Unit Price	Total Price
7	Year 4 Maintenance & Support Services			Please see the attached cost proposal	

Comm Code	Manufacturer	Specification	Model #
81112200			

Extended Description:
Year 4 Maintenance & Support Services

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Line	Comm Ln Desc	Qty	Unit of Measure	Unit Price	Total Price
8	Year 5 Maintenance & Support Services			Please see the attached cost proposal	

Comm Code	Manufacturer	Specification	Model #
81112200			

Extended Description:
Year 5 Maintenance & Support Services

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Line	Comm Ln Desc	Qty	Unit of Measure	Unit Price	Total Price
9	Optional Renewal Year 6 - Maintenance & Support Services			Please see the attached cost proposal	

Comm Code	Manufacturer	Specification	Model #
81112200			

Extended Description:
Optional Renewal Year 6 - Maintenance & Support Services

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Line	Comm Ln Desc	Qty	Unit of Measure	Unit Price	Total Price
10	Licensing (if applicable)			Please see the attached cost proposal	

Comm Code	Manufacturer	Specification	Model #
81111500			

Extended Description:
Licensing (if applicable)

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Line	Comm Ln Desc	Qty	Unit of Measure	Unit Price	Total Price
1	Cloud Data Storage (if Applicable) - Year 1			Please see the attached cost proposal	

Comm Code	Manufacturer	Specification	Model #
81162000			

Extended Description:
Cloud Data Storage (if Applicable) - Year 1

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Line	Comm Ln Desc	Qty	Unit of Measure	Unit Price	Total Price
2	Cloud Data Storage (if Applicable) - Year 2			Please see the attached cost proposal	

Comm Code	Manufacturer	Specification	Model #
81162000			

Extended Description:
Cloud Data Storage (if Applicable) - Year 2

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Line	Comm Ln Desc	Qty	Unit of Measure	Unit Price	Total Price
3	Cloud Data Storage (if Applicable) - Year 3			Please see the attached cost proposal	

Comm Code	Manufacturer	Specification	Model #
81162000			

Extended Description:
Cloud Data Storage (if Applicable) - Year 3

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Line	Comm Ln Desc	Qty	Unit of Measure	Unit Price	Total Price
4	Cloud Data Storage (if Applicable) - Year 4			Please see the attached cost proposal	

Comm Code	Manufacturer	Specification	Model #
81162000			

Extended Description:
Cloud Data Storage (if Applicable) - Year 4

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Line	Comm Ln Desc	Qty	Unit of Measure	Unit Price	Total Price
5	Cloud Data Storage (if Applicable) - Year 5		Please see the attached cost proposal		

Comm Code	Manufacturer	Specification	Model #
81162000			

Extended Description:
Cloud Data Storage (if Applicable) - Year 5

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Line	Comm Ln Desc	Qty	Unit of Measure	Unit Price	Total Price
6	Cloud Data Storage (if Applicable) - Optional Renewal Year 6		Please see the attached cost proposal		

Comm Code	Manufacturer	Specification	Model #
81162000			

Extended Description:
Cloud Data Storage (if Applicable) - Optional Renewal Year 6

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Line	Comm Ln Desc	Qty	Unit of Measure	Unit Price	Total Price
17	Construction Management Software-Year 1			Please see the attached cost proposal	

Comm Code	Manufacturer	Specification	Model #
81112202	Kahua		

Extended Description:
Construction Management Software-Year 1

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Line	Comm Ln Desc	Qty	Unit of Measure	Unit Price	Total Price
18	Construction Management Software-Year 2			Please see the attached cost proposal	

Comm Code	Manufacturer	Specification	Model #
81112202	Kahua		

Extended Description:
Construction Management Software-Year 2

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Line	Comm Ln Desc	Qty	Unit of Measure	Unit Price	Total Price
19	Construction Management Software-Year 3			Please see the attached cost proposal	

Comm Code	Manufacturer	Specification	Model #
81112202	Kahua		

Extended Description:
Construction Management Software-Year 3

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Line	Comm Ln Desc	Qty	Unit of Measure	Unit Price	Total Price
20	Construction Management Software-Year 4			Please see the attached cost proposal	

Comm Code	Manufacturer	Specification	Model #
81112202	Kahua		

Extended Description:
Construction Management Software-Year 4

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Line	Comm Ln Desc	Qty	Unit of Measure	Unit Price	Total Price
21	Construction Management Software-Year 5		Please see the attached cost proposal		

Comm Code	Manufacturer	Specification	Model #
81112202	Kahua		

Extended Description:
Construction Management Software-Year 5

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Line	Comm Ln Desc	Qty	Unit of Measure	Unit Price	Total Price
22	Construction Management Software-Year 6 optional		Please see the attached cost proposal		

Comm Code	Manufacturer	Specification	Model #
81112202	Kahua		

Extended Description:
Construction Management Software-Year 6 optional

SCHEDULE OF EVENTS

Line	Event	Event Date

SECTION 2: INSTRUCTIONS TO VENDORS SUBMITTING BIDS

Instructions begin on next page.

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Printed Name and Title) Vikas Handa / COO

(Address) 433 Plaza Real Suite 275 Mizner Park, Boca Raton, FL 33433

(Phone Number) / (Fax Number) 704-904-3673

(email address) vhanda@onindus.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through *wv*OASIS, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

SPV Associates Inc. DBA OnIndus
(Company)

Vikas Handa
(Signature of Authorized Representative)

Vikas Handa, Chief Operating Officer- 8/13/2025
(Printed Name and Title of Authorized Representative) (Date)

704-904-3673
(Phone Number) (Fax Number)

vhanda@onindus.com
(Email Address)

Bids submitted in paper, facsimile, or via *wv*OASIS must contain a signature. Failure to submit a bid in any form without a signature will result in rejection of your bid.

A bid submitted in paper or facsimile form should contain the information listed below on the face of the submission envelope or fax cover sheet. Otherwise, the bid may be rejected by the Purchasing Division.

VENDOR NAME: SPV Associates Inc. DBA OnIndus
BUYER: Josh Hager
SOLICITATION NO.: CRFQ 0313 DEP2600000001
BID OPENING DATE: see section 7
BID OPENING TIME: see section 7
FAX NUMBER: 304-558-3970

Any bid received by the Purchasing Division staff is considered to be in the possession of the Purchasing Division and will not be returned for any reason.

Bid Delivery Address and Fax Number:
Department of Administration, Purchasing Division 2019 Washington Street East
Charleston, WV 25305-0130
Fax: 304-558-3970

For Request for Proposal ("RFP") Responses Only: Submission of a response to a Request for Proposal is not permitted in *wv*OASIS. In the event that Vendor is responding to a request for proposal, the Vendor shall submit one original technical and one original cost proposal prior to the bid opening date and time identified in Section 7 below, plus _____convenience copies of each to the Purchasing Division at the address shown below. Additionally, the Vendor should clearly identify and segregate the cost proposal from the technical proposal in a separately sealed envelope.

7. **BID OPENING:** Bids submitted in response to this Solicitation will be opened at the location identified below on the date and time listed below. Delivery of a bid after the bid opening date and time will result in bid disqualification. For purposes of this Solicitation, a bid is considered delivered when confirmation of delivery is provided by *wv*OASIS (in the case of electronic submission) or when the bid is time stamped by the official Purchasing Division time clock (in the case of hand delivery or via delivery by mail).

Bid Opening Date and Time: 8/6/2025 @ 1:30 PM ET

Bid Opening Location:
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

Example:

Proposal 1 Cost is $1,000,000
Proposal 2 Cost is $1,100,000
Points Allocated to Cost Proposal is 30

Proposal 1: Step 1 – $1,000,000 / $1,000,000 = Cost Score Percentage of 1 (100%)
Step 2 – 1 X 30 = Total Cost Score of 30

Proposal 2: Step 1– $1,000,000 / $1,100,000 = Cost Score Percentage of 0.909091 (90.9091%)
Step 2 – 0.909091 X 30 = Total Cost Score of 27.27273

6.8. Availability of Information: Proposal submissions become public and are available for review immediately after opening pursuant to West Virginia Code §5A-3-11(h). All other information associated with the RFP, including but not limited to, technical scores and reasons for disqualification, will not be available until after the contract has been awarded pursuant to West Virginia Code of State Rules §148-1-6.3.d.

By signing below, I certify that I have reviewed this Request for Proposal in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that, to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

SPV Associates Inc. DBA OnIndus
(Company)

Vikas Handa, Chief Operating Officer
(Representative Name, Title)

704-904-3673
(Contact Phone/Fax Number)

08/28/2025
(Date)

AGREED:

Name of Agency: WV DEP

Signature: _____

Title: Chief Technology Officer

Date: _____

Name of Vendor: SPV Associates Inc.

Signature: Villas Hands

Title: Chief Operating Officer

Date: 08/13/2025

Appendix A

(To be completed by the Agency's Procurement Officer prior to the execution of the Addendum, and shall be made a part of the Addendum. Required information not identified prior to execution of the Addendum may only be added by amending Appendix A and the Addendum, via Change Order.)

Name of Service Provider/Vendor: SPV Associates Inc. DBA OnIndus

Name of Agency: WV Department of Environmental Protection

Agency/public jurisdiction's required information:

1. Will restricted information be processed by the service provider?
   Yes ☐
   No ☐

2. If yes to #1, does the restricted information include personal data?
   Yes ☐
   No ☐

3. If yes to #1, does the restricted information include non-public data?
   Yes ☐
   No ☐

4. If yes to #1, may the service provider store public jurisdiction data in a data center in an acceptable alternative data center location, which is a country that is not the U.S.?
   Yes ☐
   No ☐

5. Provide name and email address for the Department privacy officer:

   Name: _____

   Email address: vhanda@onindus.com

Vendor/Service Provider's required information:

6. Provide name and contact information for vendor's employee who shall serve as the public jurisdiction's primary security contact:

   Name: Vikas Handa

   Email address: vhanda@onindus.com

   Phone Number: 704-904-3673