



Xalt for Construction Solution Overview

The construction industry has suffered a dramatic loss of productivity over the last several decades, while other industries such as manufacturing have increased productivity by more than 100%. These losses can be attributed to the increased complexity of construction, large amounts of rework, and a lack of **business process automation** tools. While engineering systems and hardware have improved dramatically, data validation, ERP inputs, reporting, and data collection have not made significant progress. Typical software solutions built for contractors to address these inefficiencies are not malleable enough to be an exact fit for every unique builder and they create more disparate data systems and redundancy, which magnify inefficiency. **One-size-fits-most software should no longer be the precedent in the construction industry.** The Xalt Cloud & Mobile framework is Hexagon's answer to the challenge of business process automation, providing easy to use mobile apps that mesh legacy systems together into custom workflows that become interoperable between disparate departments, geographies, and systems of record. Xalt leverages existing systems while creating new functionality that helps task and knowledge workers collect data, communicate with other teams, keep accurate records, and execute critical transactions from the field or the office. Xalt's cloud data orchestration and microservices configuration allow IT or business analysts to quickly

Primary Benefits



Enterprise Integration Validate data across multiple enterprise legacy systems, including ERP, HR, and document management systems. Securely transact using API's and view specific data in context of a user's need.



Quick Time to Value Apps can be designed and implemented quickly, without writing code or requiring complex architecture requirements. Use Xalt to increase process efficiency and replicate that success across teams quickly. Build workflows that serve cross-functional collaboration and drive proper behaviors.



Custom Xalt is only limited by your imagination. It gives you the ability to first decide on an ideal business process, then build the workflow according to your own best practices. Apps are role-based, intuitive, and extremely specific.



Strategic Start with a single project, scale to a strategy – For end users, put solutions in their hands and **generate business success immediately.** Engage the business users in designing and improving apps to insure each change meets their needs, increasing the quality of captured data and driving employee accountability and engagement.

create native mobile and browser apps that provide the **simple user experiences that workers need to perform critical business processes without redundancies and mistakes.** Using Xalt, contractors are able to first **design an ideal process, then build a workflow to suit that particular need.** Each app can have different user-interfaces, securities, and permissions based on the user's role and task. Each app can be tailored to an organization's exact specifications and best practices uniquely in context.

Example Use Cases



Timekeeping & Daily Reports

Using Xalt technology, daily reports capture labor information and work performed by employee, job, phase, and location. Allocating hours to specific actions ensures time and materials are precisely logged. "Work performed" information, when properly documented, enables accurate invoicing at the end of the job and budgeting throughout a job, reducing disputes in final billing and ensuring procedural compliance.



Real Time Project Analysis

Since the Daily Report accurately tracks labor and materials in real time, the status of each job and phase code can be compared to budget, helping leadership to assess the health of a project in real time, making critical adjustments as needed. Real time project analysis rids an organization from having to always analyze after the fact, when nothing can be done. These reports are automated rather than continually compiled and everyone with access to the app can see what's happening, rather than passing around a static report.



Material Requisitions

Purchase requisitions through Xalt help to manage the request-to-delivery of materials from the field, through purchasing, to vendors, and back, closing the loop. Maintaining a central hub for all material information, historical records of purchases, and contextual data streamlines the process and eliminates needless phone calls, texts, delays, and emails.



Tool & Asset Tracking

The tool tracker manages the end-to-end workflow and communication between foremen, superintendents, logistics, and warehouse personnel when allocating equipment or tools to the field. By centralizing the communication, valuable time is saved and visibility is added to the entire process. This maintains a hierarchy of the process, cutting down on loss and increasing accountability. Each tool has a repair/calibration history, an up-to-date location, and is assigned to a particular person.



Safety Management

Xalt helps Manage every aspect of safety standards, policies, and procedures. It can tie in data for tracking and moving hazardous materials and conditions. Using real time alerts and notifications, Xalt can track trends and spot hazardous or compliance issues before they're critical. Additionally, Xalt provides apps for toolbox talks, daily safety meeting discussions, digital forms for compliance, safety checklists, audits that write back to systems in real time, and tracking/scheduling personnel certifications across the workforce.



Maintenance and Fleet Management

Maintenance apps enable real-time alerts, prioritize emergent work orders, and allow for additional management capabilities, including predictive maintenance analytics. Paperless work-orders integrate with existing systems and processes, providing full access on one screen to time and attendance, equipment schematics, historical records, photos, shared files, and technical data. From a single pane of class, users can view/order/locate inventory and supplier parts for repairs.

More information can be found at www.hexagonxalt.com