A BUILDING SERVICES PROVIDER REDUCED THE DURATION OF PROJECTS

By mobile-enablement of multiple process workflows with Halosys, a unified enterprise mobile platform

HALOSYS™
UNIFIED ENTERPRISE MOBILE PLATFORM

Rapidly build, integrate, secure, manage, and deploy mobile apps

Simplify Enterprise Mobility · Accelerate App Dev and Roll-out

From Sonata Software - The Platformation Company

SONATA
SONATA SOFTWARE

Halosys helped a construction services company set up an "app factory" model to increase operational efficiencies

Our client, an end-to-end building services provider is renowned for its technology and systems approaches to remove unnecessary time and costs from building development, design, and construction.

OPPORTUNITY

The organization sought to bring its technology focus to IT systems and systematically make the following changes in their operations:

- Replace legacy tools such as spreadsheets for project estimations, which were prone to calculation errors leading to project delays
- Eliminate manual methods of entering information and process tracking which was very effort intensive

SOLUTION

With Halosys as the mobile development platform, Sonata helped the client in building and rolling out a number of solutions:

- iOS and cross-platform apps for sales staff, site engineers, operators, and quality inspectors to enter data and track workflows in real-time
- Web apps for administrators and warehouse users to manage master data
- Mobile platform with reusable components, templates, and libraries to speed-up continuous development and release of multiple mobile apps
- Platform engineering to integrate multiple back-end systems: SAP HANA, Azure AD Authentication etc.

With this implementation, Sonata brought in digital transformation through platforms for a company focused on field-force innovations in the construction industry.

KEY APPS AND FEATURES

- **Sales Estimator** for capturing costs and arriving at total costs for each apartment unit at the site
- **Material Audit** app to track and verify material arrival and usage
- **Quality Assurance** app for inspections, process audits, quality enhancements
- **Notification engine** for contextual messages and alerts across the workflow
- **Media Uploader** to capture and upload site photographs and videos

5 WEEKS

TO LAUNCH AN APP

In the new ecosystem supported by the Halosys platform
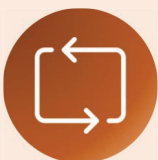

KEY RESULTS

LOWER TIME FOR ESTIMATION

Sales personnel can complete project estimates by capturing costs and pricing information at the project site through mobile apps
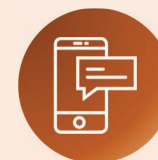
FASTER TURN-AROUND TIME

Site engineers, operators and auditors manage material work flow, resolve audit issues and complete QA processes with mobile apps at the site

5 APPS DELIVERED IN 3 MONTHS

Leveraging the mobile platform features of reusable components, templates and libraries with no app taking longer than 5 weeks for development

ENHANCED USER EXPERIENCE

Richer user experience with real-time contextual notifications across channels

CONNECTED **INTELLIGENT** **OPEN** **SCALABLE**

Mobile connectivity to multiple enterprise systems and data sources, with offline app management	Omni-channel context aware notification rule engine (US Patented) for enhanced user experience	Development with micro-services architecture standards and security to enable enterprise policies	Unrestricted number of enterprise users, apps, and connectors to systems on a single platform instance

MOBILE APP DEVELOPMENT

Accelerate app development | Build engaging & consistent user experience | Single instance for all enterprise apps | Reduce development effort with reusable components, templates, libraries

Apps	SDK for Native Apps (iOS, Android, and Windows), Web Apps (HTML5, JavaScript), and Hybrid	Experience Management, State Retention
	Workflow Modeling, Rule / Event Driven Interactions, Reusable Templates & Libraries, Role Management	Context-Aware Rule Engine for Notifications (using web, SMS, E-mail and Push Notifications), App Usage Metrics, Test Center
Device	Access to Device Features: GPS, Beacons, Location Services, Camera, Barcode Scanning	Offline Device Usage & Data Synchronization

ENTERPRISE APP INTEGRATION AND SECURITY

Leverage pre-built connectors to quickly integrate with enterprise systems | Seamless connectivity to enterprise systems | Repurpose enterprise data for multiple apps | Provide enterprise level security

Integration	Connectivity to leading enterprise systems (Oracle, SAP, MS Dynamics among others) and legacy systems through industry standard protocols	Develop And Deploy Multiple Apps on Single Backend, MobileFirst Data, Unified Data View
Security	Comprehensive enterprise-level security and policies for Devices, Apps, User, and Data	App security using application security keys such as app keys and secret keys for each app
	Device security by remote wipe of app data and remote user lock	User security by different authentication mechanisms (LDAP, SAML, OAUTH) and user activation & deactivation
	Data security by end-to-end data encryption	

MOBILE APP DEPLOYMENT AND MANAGEMENT

Launch apps in weeks, not months | Monitor apps for usage | Control and manage app lifecycle through development, release, and updates

DevOps Support	Agile Development support, Continuous Integration support, Test Automation support	Version And Release Management, Monitoring Analytics, App Performance Management
Deployment	Backend Deployment on Public, Private Cloud	Simplified Provisioning; Support for Micro-Services Based Architecture
Management	End-to-end App Lifecycle Management, App Updates, Management Console	Enterprise/Private App Store, Support for Public App Store, Feedback Mechanisms, App analytics & logs

Scalable micro-services based architecture and flexible deployment models. Available on Microsoft AppSource.

Deep expertise in mobility programs

10+ years of mobility experience

Expertise in leading technologies for native, cross-platform & web apps

Best-in-class technology framework leverage

Platformation framework and experience in building world class platforms that enables creation of Connected, Intelligent, Open and Scalable systems

Mature processes and best practices

Development, Program management and comprehensive support system

Best-fit solution for enterprises

Capability of creating best-in-class and engaging user experience

Right fit team with best-fit skill mix for every engagement

Scalability and extensibility built into the approach

Rapid time to market

Sonata IP Halosys for delivering faster and seamlessly

Sonata Software is a global IT solutions firm focused on enabling platform based digital business and technology transformation for enterprises in the Travel, Retail, Distribution and Software industries. Sonata's products and platforms, anchored on its proprietary Platformation methodology, reflect the company's commitment to enable connected, intelligent, open and scalable business systems.

Sonata's portfolio of products and platforms include Rezopia Digital Travel Platform, Brick & Click Retail Platform, Modern Distribution Platform, Kartopia E-Commerce Platform, Halosys Unified Enterprise Mobility Platform and RAPID DevOps, CloudOps and Testing Platform. These platforms have been deployed by leading enterprises across the globe to achieve future ready digital businesses.

SONATA
SONATA SOFTWARE

HALOSYS™
UNIFIED ENTERPRISE MOBILE PLATFORM

USA | Dallas · Fremont · Bridgewater · Redmond · Atlanta · Chicago   **UK & Europe** | Brentford · Frankfurt · Amsterdam · Paris · Copenhagen

Asia | Bangalore · Hyderabad · Singapore · Dubai · Doha   **ANZ** | Sydney · Melbourne

info@sonata-software.com | www.sonata-software.com   Follow us on