

Sundt Construction – Sending Employees Home Safe

The Big Picture

Sundt Construction is one of the largest general contractors in the United States, specializing in building, concrete, federal, heavy civil, mining and industrial construction. Sundt launched an organization-wide Construction Analytics initiative aimed at making the company safer by predicting negative outcomes before they arise.



Applications Deployed:

- Safety Inspections
- Orientation Tracking
- Incident Tracking
- Training Logs
- Quality assurance inspections
- & more

“ If you can predict it, you can prevent it ”

- Sundt Construction's Mission Statement for their
Construction Analytics project

Who is Sundt Construction?

Founded in 1890, Sundt Construction Inc. is one of the largest general contractors in the United States. The company specializes in several markets, such as building, concrete, federal, heavy civil, mining and industrial construction. With committed teams of skilled professionals in each market to ensure quality results, Sundt tailors its services to meet the unique needs of each individual project.

The Challenge & Sundt's Goals

Sundt launched a Construction Analytics initiative aimed at making them a safer company by eliminating error prone manual data collection and thereby improving data collection for incidents, activities, and projects in the field. Sundt's mission statement for this project was **"If you can predict it, you can prevent it"** which would help them (1) avoid negative outcomes by providing real-time performance statistics that helped predict which activities were most likely to result in an incident and (2) eliminate countless hours of data entry caused by manual processes.

Sundt's Reporting Incident Rate is a key metric for the leadership team and is tracked at the highest levels of the company. "Sending Employees Home Safe" is more than a motto at Sundt, it's a core philosophy. Sundt hoped that by digitally transforming their processes using cutting edge safety apps, they could:

- ✓ Send everyone home safe & reduce OSHA recordable incident rate to 0.5 or lower
- ✓ Be more cost effective by allowing them to track & reduce rework by 20% or more
- ✓ Save every project employee, craft, and administrative personnel at least 1.5 hours per month by reducing time spent on incidents of all types

To learn more about the MobileFrame Platform, visit www.MobileFrame.com

The MobileFrame Solution

To meet their objectives quickly, Sundt recognized they needed to transform the way they developed custom software solutions. To achieve this, Sundt chose MobileFrame's high-productivity mobile app development platform as their mobility standard for the entire company.

MobileFrame is particularly suited to agile development, giving Sundt the rapid, iterative development that's critical for speeding up time to delivery. Sundt immediately benefitted from easily creating their own data models and business logic to deploy full-stack, cross-platforms apps for iOS, Android and Windows. MobileFrame's Integration Wizard allowed Sundt to easily integrate to their enterprise systems for better cross-system communication and improved automation.

“ I am continually amazed at how flexible and encompassing the code-free MobileFrame platform is. We're able to deliver apps to solve business challenges very quickly and have yet to hit a development road. This rapid application development approach is now our mainstream process in IT that gives us a new way of thinking about how we deliver innovation. The ability to write apps so quickly is a huge strength of the rapid app development platform and we solve business challenges faster by delivery omni-channel apps with MobileFrame's software. We've built speed and efficiency into our app lifecycle development, which includes maintenance and evolution of our apps as our business needs change. ”

- George Hubert, Director of IT for Sundt Construction

Sundt's Results were Amazing

The development team had ambitious goals: deliver a comprehensive, multi-channel stack of custom apps with safety analytics squarely in the crosshairs. Using MobileFrame, **2 Sundt developers** working **only 2-3 hours/day** (total) delivered the Construction Analytics solution in **under 12 weeks**. This stack of sophisticated apps includes:

- ✓ Safety Inspections
- ✓ Incident Tracking
- ✓ Quality Insurance
- ✓ Orientation Tracking
- ✓ Training Logs
- ✓ & more...

The highly anticipated debut of the apps exceeded Sundt's expectations and spurred more great ideas about how to improve their business processes. Sundt's IT team now builds app quickly, iterates on the outcomes and updates apps on the fly as new features are added. Sundt's team now has the power to do it all without paying a vendor to make changes for them.

Sundt's field force now has apps with intuitive user interfaces built specifically to their needs so they can enter relevant job data and assign corrective actions easily. Because the data is staged on the device for offline use, they always have the data they need to get the job done, even without cellular reception.

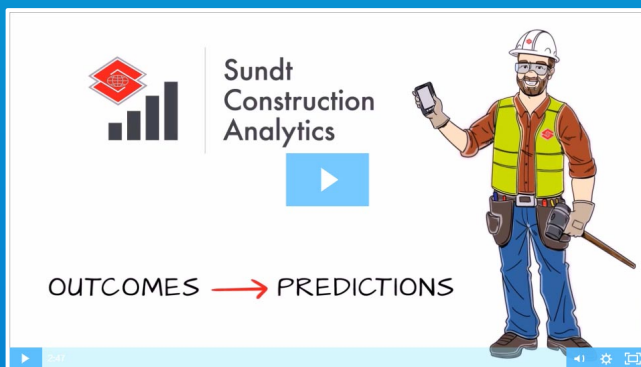
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Sundt Construction Analytics immediately increased performance and has become part of the company's standard operating procedures on every job site. Sundt now capitalizes on lessons learned by all crews, projects and divisions within the company. Leadership now has accurate, real-time data so they can immediately analyze important field activities and reduce future safety incidents. As more data is collected, the app gets smarter and leads to even better outcomes in the field. Sundt now plans work based on actual outcomes, so job planning is more precise and relies less on the variability of experience. The company's groundbreaking use of big data has transformed the way business should be done in the construction industry.

The Bottom-line Results

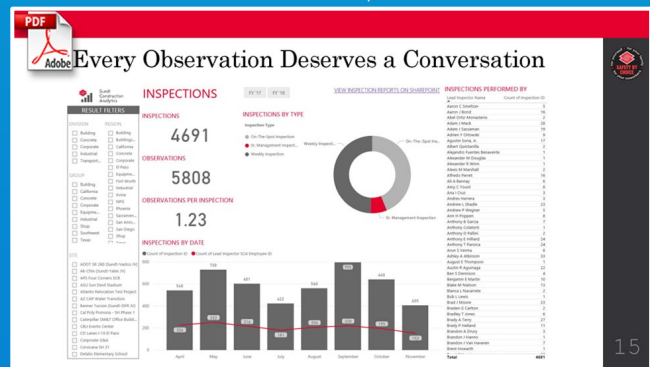
- ✓ Exceed expectations for improved worker safety & reduced OSHA incidents
- ✓ Reduced both manual data entry & costly rework
- ✓ Improved decision making with real-time data
- ✓ More precise job planning
- ✓ Sundt was so pleased with their results, they created their own promotional video & presented their solution at a major national conference

Click below to watch video



<https://mobileframe.wistia.com/medias/x31p6igpfb>

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