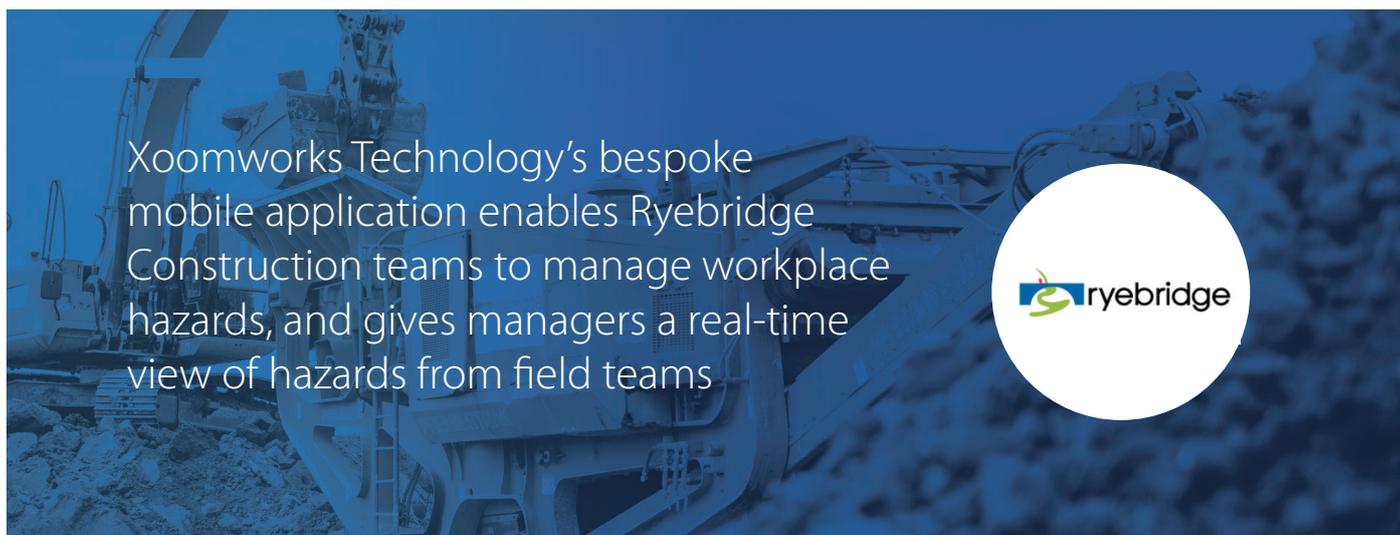


Xoomworks Technology builds a workplace hazard reporting and tracking mobile application for Ryebidge Construction



Client: Ryebidge Construction
 Size: 50-100 employees
 Project: Workplace hazard reporting and tracking tool (iOS and Android)
 Date of delivery: July 2018
 Website: www.ryebidgeconstruction.com



Xoomworks Technology's bespoke mobile application enables Ryebidge Construction teams to manage workplace hazards, and gives managers a real-time view of hazards from field teams



About the project

As a civil engineering contractor, Ryebidge Construction have expertise in delivering infrastructure and groundwork schemes for clients of all sizes, including multinationals, major airports, councils, highways and large leisure sector brands.

They have the proven skills required to consistently achieve high standards. They know that when working in an airport environment it is essential to make sure that there are no disruptions to airport services and that the job is completed safely, on budget and on time.

By making health and safety a priority Ryebidge continue to play their part in improving workplaces for employees, clients, partners and the public.

To this end, they required a workplace hazard reporting and tracking tool in the form of a mobile application on both iOS and Android, to allow building company employees to report the hazards they notice.

The Challenge

The main challenge was making the right choice of database and integration between the database with the uploaded reports to Rybridge's preferred option as the report's final destination, a Dropbox account.

Our developers needed to keep in mind that although currently the application uploads hazard reports to Dropbox, in the future Rybridge's requirements are to upload directly into SharePoint and create SharePoint workflows.

"Ryebidge are proud to be accredited to OHSAS 18001:2007 Occupational Health and Safety Management System.

We are committed to ensuring all our site managers and supervisors hold either the Construction Skills Site Managers or Site Supervisors Safety Training Scheme (SMSTS or SSSTS) certificate or a recognised equivalent qualification, and we are working towards this target.

Ryebidge Ltd have gained CHAS accreditation which is a nationally recognised accreditation scheme.

Ryebidge Ltd is also a member of the British Safety Council which will help in meeting legislation and raising health, safety and environmental standards.

In 2017 Ryebidge was awarded its fifth Royal Society for the Prevention of Accidents (ROSPA) award. It scooped gold for its work at London Luton Airport."

Ryebidge, Health & Safety

[1] <https://www.ryebidgeconstruction.com/health-and-safety/>

The Solution

We, at Xoomworks Technology, created a bespoke iOS and Android mobile application for workplace hazard reporting and tracking, tailored to Rybridge's specific requirements.

The workplace mobile hazard reporting and tracking tool strengthens operational health and safety management. It allows field-based workers in hazardous or safety-critical environments to document and notify of any hazards they encounter in a structured and systematic way.

Signed in users' hazard reports include a photograph of the potential hazard as well as location information, a description of any remedial action already taken and details of the reporting worker. They are transmitted to managers digitally, through Dropbox integration, in real-time or synced later if the device is not connected to the internet at the time of reporting. This also removes the need to fill out paper forms and allows action to be taken before the field worker returns to base.

The app also supports policy awareness and compliance, allowing users to review relevant policies at any time and requiring them to signal their agreement to comply with such policies.

Historic reports and the backend information with user accounts are stored in an auditable repository, Firebase database, to ensure they cannot be lost, overlooked or interfered with after submission.

The system was developed to be compatible with a wide range of mobile devices to ensure the greatest possible uptake across the workforce.



The Results

The iOS and Android bespoke mobile application is a convenient and useful way for teams to manage workplace hazards, and gives managers a real-time view of hazards from field teams. It allows the opportunity to report on hazard management, and reduces or in some cases even removes the need for paper-based systems for field workers.

"Xoomworks Technology have a real instinct understanding and focusing on what their customers need and require. We are really pleased with the service provided, and seeing and using the finished product."

Karen Carter, Head of Health & Safety, Rybridge Construction

About Xoomworks Technology

Xoomworks Technology helps technology driven companies to solve their software development challenges cost effectively, by providing dedicated teams of near shore skilled resources. We can work directly as part of your team or can take full ownership of the development process. We have strong capability in open source, web, mobile and QA technologies and we have deep expertise in the travel, financial and gaming business sectors.

Interested in finding out more
about Xoomworks Technology?

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