

BOOSTING QUALITY AND PRODUCTIVITY THROUGH DIGITISATION

Digitisation has an important flow-on effect for projects, impacting everything from safety to productivity. Novade's Quality module, which is being used for Unitywater's Kawana Sewage Treatment Plant Upgrade Project, offers a unique solution that facilitates collaboration and improves productivity — all while capturing and delivering data in real time.

Novade's Quality module is currently being used for defects management and equipment commissioning on Unitywater's Kawana Sewage Treatment Plant Upgrade Project. This complex multidiscipline project includes civil, mechanical and electrical construction, as well as work on buildings, with multiple work fronts and teams involved. With so many components, a trusted digital management tool is integral to the successful identification and close out of defects on the project.

"Unitywater's existing defect management solution wasn't mobile-ready and didn't allow the flexibility to manage a range of defect types. They need to be able to manage defects for a piece of equipment, as well as building and civil construction defects," Novade's Country Manager, Robert Zasadzki, said.

According to Mr Zasadzki, most systems are quite rigid in the way they deal with defects, and the reporting is not as detailed as it needs to be.

"What we're offering is a solution which allows them to manage their ITP and ITC processes to quality control their principal contractor," Mr Zasadzki said.

Delivering real-time data and access to construction verification forms, along with the added creation of a site diary, Mr Zasadzki said that the module is serving the project well. He puts this down to its ability to improve quality and facilitate asset handover.

IMPROVING QUALITY DURING CONSTRUCTION

Novade's Quality module is part of an enterprise mobile platform, designed to manage quality and defects management. While there are numerous applications already in the market, Mr Zasadzki said that the Quality module has a distinct point of difference. It can easily scale to enterprise level while being flexible and fast to deploy.

"With Novade, data in the field is accessed and synchronised in real time. The data captured helps streamline site processes," Mr Zasadzki said.

Novade works on all major mobile devices. If a user is offline, data will sync when an internet connection is next available. Users can get started with the app right away, and a project can be deployed in a short period of time.

The configuration of Unitywater's modules were based on close collaboration with project managers, quality managers and the executive team.

The digital platform is used to improve quality during construction, and facilitate the commissioning and defect management process. Being highly configurable, Mr Zasadzki said that the module is ideal for companies trying to streamline processes and improve productivity.

During construction, Novade's Quality module imposes a thorough quality inspection process in the field with digital forms. Digital checklists can be used for the entire lifecycle of the project, from excavation to handover, and a custom workflow can be deployed for each checklist.

With Novade, quality assurance personnel in the field can complete digital forms and checklists remotely with their mobile devices, and forms can be signed off digitally and archived for easy retrieval. This decreases the likelihood of losing documents, and means that management and project teams can track and monitor the status of all forms in real time using a standard web browser. This gives further oversight of the project, complimenting the work carried out by the field staff. Depending on the user's role in the project, information is available at the right time in the right location.

FACILITATING ASSET HANDOVER

Inspection teams can easily complete inspections and lodge defect information with customisable digital checklists, and contractors can be given access to the system to enable the quick rectification of defects.

This streamlined system makes it possible for management and project teams to track the status of all inspections, with dashboards and reports automatically generated. This eliminates what could potentially be hours of work spent preparing reports.

By using standard definitions and digital forms, a user can analyse data, identify trends, draw correlations and ultimately improve quality on projects, all while reducing costs. **U**

For more information on Novade's Quality module visit: <https://www.novade.net/>
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