

CASE STUDY

MAXIMO IN UTILITIES

**PLUGGING INTO A  
RELIABLE SOURCE  
OF HEALTH, SAFETY  
& ENVIRONMENTAL  
INFORMATION**

 **CERTUS**  
DIGITAL



**TRANSPOWER**

## TRANSPOWER

Transpower plays a central role in New Zealand's power industry, owning and operating the National Grid and managing the power system as System Operator. Transpower transports electricity from where it is generated to cities, towns and some major industrial users 24/7.

Responsible for the towers, poles, lines, cables and substations stretching and connecting the length and breadth of New Zealand, Transpower manages 11,743 route km of high voltage transmission line, a 60 route km of underground and submarine transmission cable, 40,674 supporting towers and poles, 178 substations and 1,093 transformers.

## NEEDS

Operating to a Zero Harm philosophy, Transpower needed a central view of facilities, assets and hazards serving as a single source of truth for Health, Safety and Environmental (HSE) risks.

## SOLUTION

Certus Digital crafted a HSE solution that enhanced Maximo's standard pre-configuration to meet the organisation's requirements.

## BENEFITS

The HSE team at Transpower now operates a single application that enables reporting of all incidents including work, personnel, safety, health, and environmental areas.



**NOT ONLY HAS CERTUS HELPED US ACHIEVE A VASTLY IMPROVED LINE OF SIGHT OVER OUR HSE IMPACTS, THE TEAM ALSO ENSURED THAT THE ROLL-OUT WAS HIGH QUALITY, DEFECT FREE, ON TIME AND ON BUDGET**

## LABOUR INTENSIVE REPORTING CONTRIBUTED TO INCREASED RISK

Relying on a number of end-of-life legacy systems to gain a complete picture of Health, Safety and Environment (HSE) in the workplace, Transpower was unable to effectively manage corrective actions for incidents. The organisation was also beset by poor data integrity and a labour intensive reporting process, which did not meet the needs of the organisation's strong 'Zero Harm' safety culture.

"We rely on members of our team at Transpower as well as Third Party Service providers to log HSE incidents as they occur so that we can remove potential hazards to our employees and the general public as quickly as possible. Before we moved to a Maximo HSE platform, we were relying on a number of systems to manage HSE data. This was not only cumbersome to manage, it also created a lag effect in us being able to implement a corrective action, which increased the potential for further HSE incidents," said Michael O'Brien, Asset Information Systems Manager at Transpower.

## TRANSMITTING HEALTH, SAFETY AND ENVIRONMENT DATA TO MAXIMO HSE

In a New Zealand first, Certus Digital implemented IBM Maximo Health, Safety and Environment (HSE) Manager at Transpower. Implemented during a second release of Maximo Enterprise Asset Manager at the organisation, Certus first conducted a series of sessions with key stakeholders to determine both the organisational requirements and user preferences in order to implement the Maximo HSE applications that would provide the most value to the Transpower business. Says O'Brien, "Certus helped us understand the functionality available through Maximo HSE and worked closely with us to determine which preconfigured options made the most sense for our business. As a result, we now have the HSE management and reporting capability we need."

With the solution, Transpower has clear visibility into incidents, hazards and precautions, together with risk assessments and progress monitoring. Aligned with the organisation's Maximo EAM platform, the HSE team can also determine the location of all assets and track communications throughout the risk escalation process.

"Not only has Certus helped us achieve a vastly improved line of sight over our HSE impacts, the team also ensured that the roll-out was high quality, defect free, on time and on budget," said O'Brien

## BUSINESS BENEFITS

Since the implementation of a single Maximo HSE platform, Transpower has a valuable source of information that is central to the HSE department's ability to take corrective action in a timely and efficient manner. With a single source of truth, the external audit process has also been greatly simplified, and overall, the organisation a higher level of accountability for safety – from evaluating non-conforming specifications on plans and equipment to risk prioritisation.

“Our organisation is driven by a Zero Harm philosophy, and the ability for us to see all HSE data in a single view makes it far easier for us to track and manage risk. The improved data quality available through this solution, together with the simplified reporting functionality has also helped us generate more accurate reports – something that we have been commended on by the industry auditor.

“At the end of the day, this platform is contributing to a safe operation. Not only can we take corrective action sooner to prevent accidents, we can communicate any risks to all stakeholders,” said O'Brien.



*AT THE END OF THE DAY, THIS PLATFORM IS CONTRIBUTING TO A SAFE OPERATION. NOT ONLY CAN WE TAKE CORRECTIVE ACTION SOONER TO PREVENT ACCIDENTS, WE CAN COMMUNICATE ANY RISKS TO ALL STAKEHOLDERS.*

## INTELLIGENT DIGITAL BUSINESS

Every aspect of our lives is being inescapably impacted by exponential change, across business models, operating models and engagement models. If you are concerned with shifting the digital dial to evolve your business across these models, we are here to help you do it right - first time.

With a deep understanding of Asset Intensive Organisations we believe in the importance of intelligence, not just as a starting point, but at every point in building a fit for purpose digital systems and digital interaction. We work with you to unlock value through empathy, insight and applied methods, so that you can unlock “the possible”, at the same time as realising tangible benefits with the right step change for your asset intensive business. Central to this approach is an ecosystem of specialist platforms and partners all dedicated to you being a successful digital change agent.

Our goal is to help you evolve your organisation into an intelligent digital business that remains relevant in digitally disrupted times.