



CASE STUDY

From paper to digital: **Busselton Water's asset management maturity journey**

assetmanagement.siemens.com

SIEMENS

CHALLENGE

Busselton Water is a water corporation servicing the Busselton region, one of Western Australia's fastest growing areas, located 220 kilometres south of Perth. It provides over a billion litres of drinking water each year to more than 30,000 people, delivered via a complex network of treatment plants, storage tanks and 363 kilometres of pipes. Busselton Water also works closely with the WA Department of Water and Environmental Regulation, WA Department of Health, WA Water Corporation, emergency services and the Economic Regulation Authority to ensure water quality, reliability and compliance.

Over time, however, its ageing asset management system made these tasks increasingly challenging. "We had an old asset management system, but it was no longer supported or maintained," said Keith Mungham, Asset Information Officer at Busselton Water. "To meet our audit requirements and make the asset management process more seamless, we needed a robust, modern system to help us track all our infrastructure in one place."

Manual work order processes also made operations less efficient. Maintenance jobs were printed and placed in trays at the depot – sometimes taking days to be picked up. Jenny Mathies, Field Services Officer at Busselton Water, added: "Some jobs would just disappear into a black hole – it was frustrating. For cyclic jobs, like annual calibrations of mag flow meters, we need to show the ERA and the Department of Water that the work was completed. If the job sheet was misplaced or wasn't properly closed out, it might mean the job wasn't done or that data wasn't collected. This would waste additional time finding out what happened and rectifying it."

Besides meeting regulatory requirements, Busselton Water also wanted to better manage customer service commitments, especially with more new homes being built and requiring water connections. "We have a 10-day requirement for new service jobs, like connecting meters and services to new properties. If the work order went missing, that connection could be delayed. We needed a reliable digital process to make sure we met our service targets."



BUSSELTON WATER

Customer: Busselton Water

Location: Busselton Western Australia

Vitals:

- Servicing a population of 30,000+
- 363km of pipeline, three water treatment plants and six water storage tanks

Challenges: Busselton Water's ageing asset management system and paper-based work order process made it difficult to efficiently track assets, meet regulatory reporting requirements, and ensure timely service delivery for its fast-growing community.

Results: Busselton Water can now:

- Access a single source of truth for all its asset data improving decision making and operational efficiency.
- Better satisfy audit requirements, which has led the regulator to extend the audit period from two to three years.
- Complete work orders up to a week faster by enabling crews to access data, update asset information, and manage tasks in the field in real time.
- Schedule jobs based on worker location, so that jobs that once took weeks to complete can now be assigned and finished quickly – sometimes within a single day.

SOLUTION

Busselton Water implemented Siemens Confirm Enterprise Asset Management (EAM) system as its single source of truth for all asset data, helping it track, manage, and maintain its water infrastructure more effectively. Confirm now stores detailed information about each asset, including type, location, material, components, and condition. Once the asset register was established, Busselton Water expanded its use of Confirm to include:

ConfirmConnect – a mobile app that lets field crews access data, update asset information, and manage tasks in real time.

ConfirmWorkzone – a map-based scheduling tool that allows asset managers to allocate jobs to specific crews based on location.

RESULTS

Confirm has transformed how Busselton Water manages its assets and meets its regulatory obligations. Monthly operational and planning reports now draw on validated data from Confirm, providing visibility of asset performance, maintenance activities and licence obligations. Trend charts track key measures across the water network, enabling proactive interventions and better planning.

"Since implementing Confirm, the ERA has been so happy with the standard of our audit reporting that they've extended our audit period from two to three years," said Keith. "If the regulator is confident in your system, that's a great sign you're managing your assets well."

The move from paper-based to digital work orders has also saved time in scheduling and completing jobs and improved data accuracy.

"Since implementing Confirm, the ERA has been so happy with the standard of our audit reporting that they've extended our audit period from two to three years... If the regulator is confident in your system, that's a great sign you're managing your assets well."

— **Keith Mungham,**
Asset Information Officer at Busselton Water

"We've gone from a completely paper system to being almost fully digital," said Jenny. "It's been a big step forward – jobs are now being completed up to a week faster, and we're much more organised and efficient."

Looking ahead, Busselton Water plans to move to the cloud as part of its broader digital transformation strategy. This shift will allow the organisation to integrate asset management and finance operations, reduce double-handling of data, and improve long-term investment planning.

"We've been on a long maturity journey," said Keith. "We're excited about what's ahead – unlocking new efficiencies, improving decision-making, and continuing to deliver reliable, high-quality water services for the Busselton community."



This document contains a general description of available technical options only, and its effectiveness will be subject to specific variables including field conditions and project parameters. Siemens does not make representations, warranties, or assurances as to the accuracy or completeness of the content contained herein. Siemens reserves the right to modify the technology and product specifications in its sole discretion without advance notice.