

CASE STUDY

PROJECT CRITICAL PLANT OUTAGE RESPONSE

PRODUCT Service & Engineering

INDUSTRY Municipal

LOCATION Wheatbelt, Western Australia



BACKGROUND

An existing service client of MAK Water's WA service team called to advise a critical plant failure following an extreme weather event in a regional WA town, which left them without wastewater treatment.

MAK Water mobilised immediately to assess the damage to the plant and formulate a plan of action. A major element of the storm damage was repairing damage to the PLC and control panel which had suffered a lightning strike.

We quickly assessed the situation and formed an action plan to acquire specialised parts and materials to bring the plant back on-line in the shortest timeframe possible. This included choosing and procuring new equipment to repair damaged plant, some re-engineering and customisation of components, organising rapid response influent removal from the site during the repair works, plant reintegration and re-commissioning.

MAK Water worked closely with the client and other stakeholders and had the plant back running at full capacity within three weeks.

SOLUTION

Rapid response to site, management of plant downtime to keep the site running, procurement of all required parts and materials, installation of new equipment and recommissioning.

MAK WATER KEY SOLUTIONS

- Rapid response capability
- Knowledgeable team of service technicians, engineers, and administration support
- Expertise in PLC programming & customisation for water treatment plants
- Broad supplier network allowed MAK Water to find & deliver our solutions quickly.
- Plant improvements to mitigate future similar events.
- Onsite plant commissioning and operator training
- Ongoing service and maintenance contract



RESULTS AND BENEFITS

- **Operation maintained.** MAK Water's rapid solution meant the client was able to keep their site operating through the crisis.
- **Fast solution.** Despite significant supply challenges, MAK Water were able to procure the required parts in a short timeframe and have the plant running again within 3 weeks.
- **Technical support.** Expert advice and consultation with all parties throughout the process and ongoing plant service and maintenance by MAK Water
- **Ongoing partnership.** Being an existing MAK Water client meant we had the intimate knowledge of the plant that allowed us to deliver solutions in such a short timeframe.

