

# CASE STUDY

## WATER CORPORATION ELECTRICAL & COMMS UPGRADE

### PROJECT PROFILE

Lump sum projects installing and commissioning new electrical and comms equipment at remote Water Corp sites.

Supply of all ancillary equipment and materials.

Conformance to Water Corp policies and standards including Rescue Plans.

### PRODUCTS HANDLED

- Potable water for the East and Perth regions of Western Australia



### OUR INVOLVEMENT

SG Controls were engaged to install and commission Radio Antennae, SCADA packs, Modems and HMI units, along with all other necessary power infrastructure at various Water Corp sites throughout the Wheatbelt and Esperance regions.

The projects involved strict adherence to Water Corp standards and policies.

### PRODUCTS USED

- Next G Modems
- SCADA Pack RTUs
- YBS809-81 Antennae
- Moxa, Planet AXIS and Cisco network devices

### SCOPE OF WORKS

- Installation of new radio antennae
- New Modem Install and replacement of SCADA pack RTU
- Install 2 x Weidmuller DC fuse terminals with 2A fuse link and 2 x Terminals (Weidmuller)
- Connect 24V DC from existing 24V DC power supply into new RTU and NextG modem using newly installed fuses and provide labels
- Replace existing CL2 OIP with new Quick panel View 12-inch operator interface screen
- Reuse existing 24V DC supply and interface cable to PLC
- All Civil and Mechanical Modifications and works required to complete the project
- Commissioning of all new and modified equipment including integration with remote control systems support services