



Client: Aquatec Maxcon provided all civil, mechanical and electrical/control works for the complete upgrade of the Enoggera Water Treatment Plant which comprised of the following main elements:

Location:

Enoggera, Queensland

Service:

Water treatment

Capacity:

6.0 ML/d

Value:

AUD \$120 M (total alliance project value)

- Pre treatment chemical dosing systems for caustic soda, alum and polymer (coagulant aid)
- Dissolved air flotation (DAF) upgrade equipment including float skimmers, float spray bars, recycle pumping, air saturation and dispersion equipment
- Flow balance tank and filter feed pumps
- Pressure filtration equipment (self backwashing design) including automated control valving and monitoring instrumentation.
- Post treatment chemical dosing including post caustic soda and chloramination (disinfection).
- Treated water storage tank and pump station to Brisbane Water water mains.
- Wastewater handling system including washwater holding tank and transfer facilities.
- Electrical and control works complete.

Other related projects:

Problems:

As part of Brisbane Water's

- Coffs Harbour DAFF WTP (2009) ,42 ML/d design capacity
- Mt Beauty DAFF WTP (2010) design and construct
- bcaa Aquifer WTP (2007) alliance project
- Kalkie DAFF WTP (2007) design and

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construct

- Ararat DAFF WTP Grampians Water (2000), 200 L/s

Solutio ns:

Upgrad
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bring
the
existing
Enogge
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sly DAF
/slow
sand
filtration
technol
ogy
back
into
service.

Benefit s:

Supple
mentary
supply
of high
quality
drinking
water to
consum

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Product:

DAF
upgrade
and automation

,
pressure
filter
station,
chemical
dosing,
disinfection
and
waste
handling
equipment.

**Completion
Date:**

December
2008

**Contact
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Aquatec
Maxcon