

# Golf Club – Kooindah Waters Clubhouse, Wyong - Case Study



## OTHER SERVICES AVAILABLE...

- New Clock installations, including GPS synchronised mechanisms
- Tower Clock Restorations & Repairs
- Manufacturing parts for existing time pieces
- Bell Restorations
- Service and Maintenance Agreements on existing clocks
- Bell Strikers
- Authorised Installer of Simplex Time Control Equipment

Client: Mainbrace Constructions

Outline: to manufacture and install a four 2m x2m dial tower clock to the club house during it's construction.

Constraints: The entire installation was designed so that every component could be passed through the roof access hatch which was 900mm x900mm to negate the need for a crane, or other lifting equipment.

The dials were fitted to an aluminium frame of 50mm x 50mm x 5mm angle and each dial consisted of four 1m x 1m 4mm aluminium plates with a 1050mm disc covering the centre.

The dials were pre drilled on a CNC plotter and the dial battons were cut out on a CNC router. This ensured a precision product and made for a trouble free installation.

All components were powder coated to the colour scheme supplied by the client, the hands and dial battons received two coats of two-part epoxy enamel. This ensured that the clock matched the exact colour scheme of the new building.

The mechanisms were four Bodet GPS controlled movements housed in weather resistant enclosures.



The GPS antenna had to be installed in a Cockatoo-resistant enclosure. Local wildlife had taken a keen interest in the clock as it was being constructed and would have made short work of the GPS receiver and its wiring.





Since the company was created in 1868, automatic bell ringing systems and tower dials have been built in respect of the patrimony.

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- Restoration of worn-out or cracked bells
- Tower dials
- Automatic bell ringing systems
- Master clocks
- Tower clock movement

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## Installation and benefits



The intelligent clock movement with direct FI/DCF or GPS synchronisation offers an easy installation (no master clock) and an absolute reliability and accuracy.

This ensures that the dials re-set automatically after a power outage (once power is restored) and also automatically adjust for daylight savings. This is especially useful in areas where the power supply can be unreliable.



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