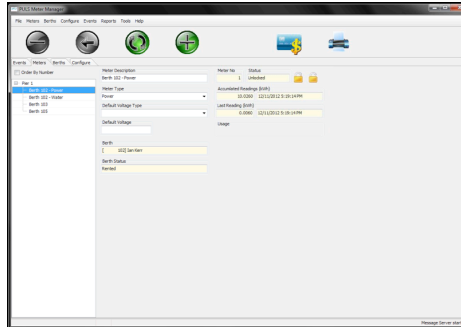



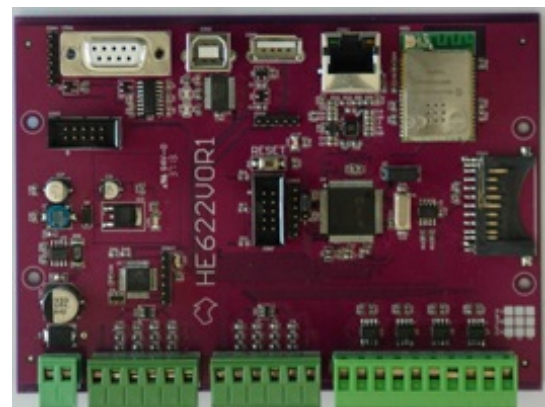
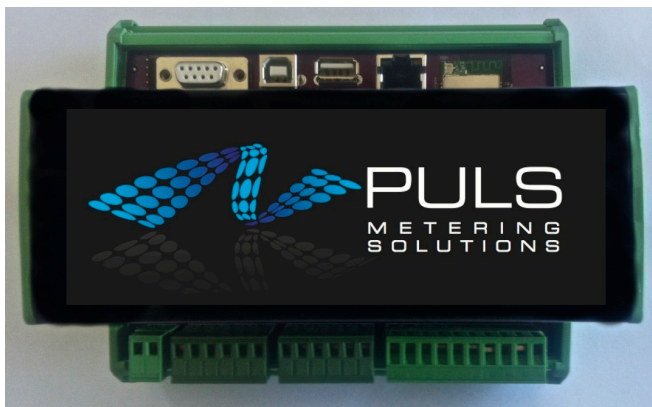
The PULS System provides up to the minute readings for water and power meters throughout a site. Monthly reports can be generated and customers can be on-charged for their usage. No more shock water and power accounts.

When integrated to one of our Management Partners PULS will even e-mail users their invoice direct.

This means no more reading and billing individual meters manually. There is also the option to turn the power and water ON and OFF to each pedestal from the office PC, iPad or Smartphone.



Compatibility: Windows XP, 7, 8	
Operating requirements: Any computer capable of running the specified operating systems according to manufactures recommendations.	
Operation: Login protection - multiple authority levels Smart Phone and Web Interface (coming soon)	
PULS Controller: High-Performance 32-bit RISC CPU: <ul style="list-style-type: none"> • MIPS32[®] M4K[®] 32-bit core with 5-stage pipeline • 80 MHz operating frequency • 1.56 DMIPS/MHz (Dhrystone 2.1) performance at zero Wait state Flash access • 512k On board flash memory 	
Onboard Ethernet, Wifi*, LTE, RS232 and USB interface	
Supports connection of up to 4 pulsed output meters	
Supports connection to high-level serial controlled meters	
Connection for 4 additional inputs for a variety of services (boat alarms, pier alarms, berth occupied sensors, panic buttons)	
Controlled outputs for 4 meters plus 4 additional general-purpose outputs (pre-recorded message systems, alarms, status lights etc...)	



Installation Requirements:

- Cabling requires a minimum 100mm separation from all 240v and 415v electrical services.
- All cabling installed for the PULS system is to be approved by PULS Pty Ltd, rated for use underground and gel filled.
- 1.5m of slack is required at each pedestal for connection of a PULS unit.
- Cabling to allow for tidal movement when connected to floating platforms.
- Cable to be installed and terminated by a licensed cabler with RJ45 Modular Plugs to suit solid and stranded cat5 and 6.
- Cabling from VDS (Vessel Detection System) to PULS needs to be mechanically protected. e.g. fully enclosed in conduit.
- VMS (Vessel Monitoring System) Sensors to be installed with no obstruction to the wireless signal and within 10m of the associated pedestal.
- Power supplies, relays and contactors to be installed and tested by a licensed electrician.
- Water control solenoids and valves to be rated for 100% duty cycle and not rely on water current for cooling.
- Wireless antenna to be installed externally on the pedestal -or- internally, at the top of the pedestal, beside the light.
- All connections to the PULS unit need to be carried out by an electrician or licensed technician.
- Additional inputs/outputs e.g. Panic buttons, call points, lights, control relays connected to the PULS system must comply with the relevant AS/NZS Standards.
- Software installed to the PULS Server PC needs to be granted FULL computer and network access by the IT Administrator. The system uses an IP connection to communicate with PULS units over the same network.
- Anti-Virus Software and Firewalls need to mark PULS as a trusted program/process.
- Software to be installed by an administrator login.
- Each PULS unit requires its own unique static IP, assigned at time of installation.
- Contactors, relays and solenoids to be appropriately rated to their corresponding outlet and approved for connection to the PULS system by PULS Pty Ltd.
- 10A Circuit breaker required for switching PULS metering system and control equipment.

Our Integration Partners:

