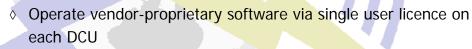# Data Collection Unit for Remote Device Access

Data collection, operation and monitoring of remote sites has become an increasing requirement for efficient facility management by Asset Owners.

The vast range of Intelligent Electronic Devices (IED) and proprietary programs available from different vendors have generally prevented any form of centralised simple access facility.

The 7com **Data Collection Unit** is a solution to the needs of remote access to any or multiple sites from the head office or even by staff working outside of the office.

The DCU provides a convenient on-site instance of each vendors operating software which can be operated remotely using standard broadband land line or wireless telecommunications (e.g. 3G Mobile network). Maintenance staff can operate each vendors software to interrogate devices, operate equipment or retrieve critical log files of asset performance, all through a secure communication system.

◊ Operate vendor-proprietary software via single user licence on each DCU
◊ Connect multiple IEDs or Database Servers
◊ Technicians can use <u>any</u> PC — no specific IED software required
◊ Head office LAN access
◊ Laptop / tablet / smart phone remote access
◊ Secure login to Server, Encrypted Sever-DCU communication
◊ Simple Web browser connections
◊ Use your own Server unit or the quick-start 7com hosted service
◊ Integral broadband modem (eg 3G. GPRS etc) where required— choose your own network
◊ AC and DC power supply for continuous operation
◊ Solid State Drive data storage (no moving parts reliability)
◊ Email and SMS alerts

Applications

- ◊ PC Databases
- ◊ Fan controllers
- ◊ Pumps
- ◊ Motors
- ◊ Generators
- ◊ Conveyors
- ◊ Condition Monitors
- ◊ Protective Relays
- ◊ Power Quality
- ◊ Metering
- ◊ Fault Recording
- ◊ Mobile plant & equipment
- ◊ 'Pole top' equipment

- ◊ Water treatment plants,
- ◊ Oil refineries,
- ◊ Gas production,
- ◊ Mines,
- ◊ Windfarms
- ◊ Municipal utilities,
- ◊ Hydro plants,
- ◊ Solar farms,
- ◊ Geothermal,
- ◊ Substations,
- ◊ Power lines & cables,
- ◊ Pumping stations,
- ◊ Factories …

The DCU is a generic platform using standard communications facilities to provide a flexible environment for your remote access needs.

Vendors software as single user licences are installed on the Virtual Machine allowing multiple operating systems to be supported where necessary.

Staff access the remote site through the system and use the site-installed software on the DCU to carry out their tasks.

The system can operate through the 7com secure central server or a DCU can be provided for the owners own installation for enhanced security.

7com Ltd is represented in Australia-New Zealand region by Rod Hughes Consulting Pty Ltd.