

The CS3000 DCS (Distributed Control System) Building Block

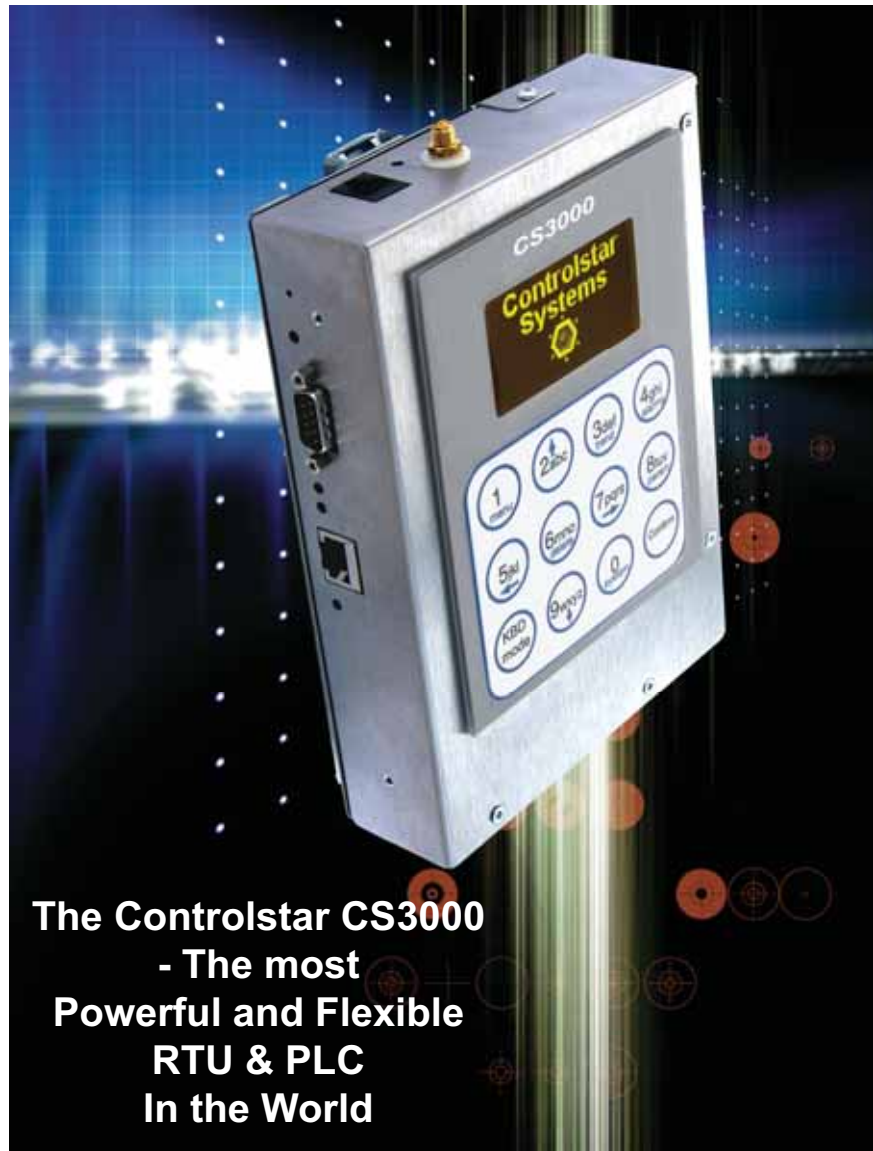
Applications

Remote Wellhead Control
Under Balanced Drilling
Pipeline Control & Monitoring
Wastewater
Water
Land Drainage
Leak Detection
Flood Warning/Prevention
Material Handling
Building Automation
Environmental Monitoring
Flow, pressure, & level control
Process Monitoring & Control
Condition Monitoring
Site security & CCTV
Energy Monitoring
Remote Diagnostics
Critical plant Monitoring
Municipal Asset -
Management Systems

Communications

GSM/GPRS/HSDPA options
QuadBand 850/900/1800/1900MHz
GPRS multi-slot class 12
GSM release 99
HSDPA 3.6Mbps
Single_Band UMTS/HSDPA.
(WCDMA/FDD) 2100Mhz
Dual-Band GSM 900/1800 Mhz
EDGE (E-GPRS) multi-slot class 10
Ethernet -10/100 MBps.
PSTN
Satellite
Lease Line
Radio UHF/VHF and Microwave

**Optional GPS for precise time
synchronisation and location
tracking.**



The Controlstar CS3000 - The most Powerful and Flexible RTU & PLC In the World

The CS3000 can be bulkhead, DIN rail, or panel facia mounted ; it is a rugged stainless steel module only 195mm highX140mmX40mm deep (7.7"X5.5"x1.6"). The low power CS3000 will function from a wide range DC supply, and/or directly from a solar panel. The power system includes a charger for an external 7-14Ah lead acid or NI-MH battery; creating a monitored UPS facility for the CS3000 and the associated I/O.

WebSphere MQ for Enterprise Data Integration

The CS3000 includes an embedded Websphere MQ Server, which provides a Publish and Subscribe service and event driven data directly from the instrumentation level - no need for specialist gateways; this leverages real time data immediately onto the Enterprise Service Bus – true end-to-end connectivity. The interoperability of Websphere and **SAP** NetWeaver™ can provide Best-in-class solutions.



The Instrumentation Interfaces

A range of CANopen I/O devices which are DIN rail mounting and can be located up to 500 meters from the host CS3000.
Dual port USB (A and mini AB).
RS232/RS485.
Modbus- RTU (master and Slave).
Modbus TCP
WITS over TCP/IP

Additional Interfaces

Profibus- DPV1 (master and Slave)
Lonworks (slave)
Profinet IO
Bluetooth
Low Power Radio (master) with Micro- Controlstar.
Dual Port Video PAL/NTSC with JPEG2000 compression and PELCO PTZ camera control.