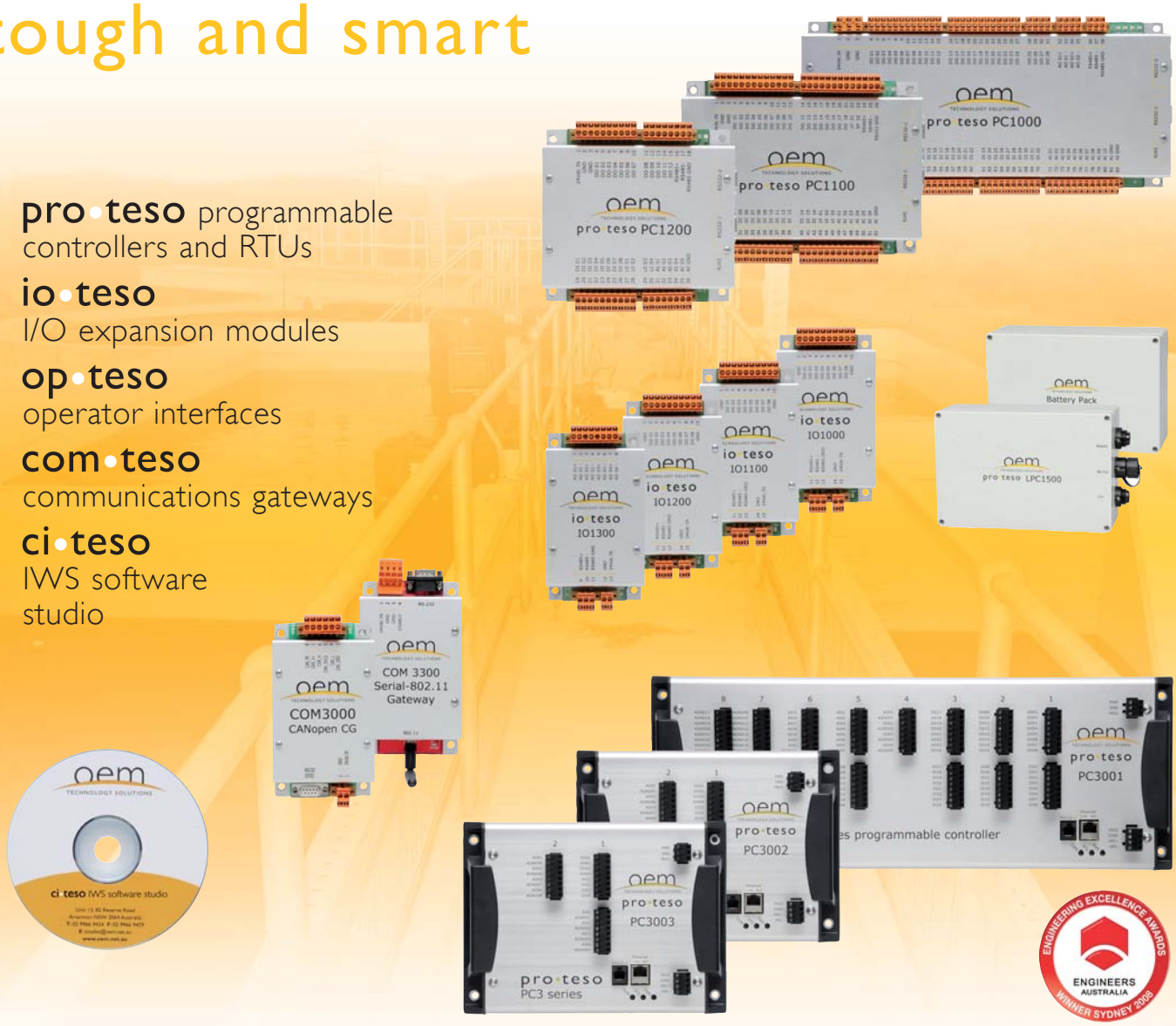
oem
TECHNOLOGY SOLUTIONS

oem•teso

supervisory control and data acquisition

SCADA products... tough and smart

- **pro•teso** programmable controllers and RTUs
- **io•teso** I/O expansion modules
- **op•teso** operator interfaces
- **com•teso** communications gateways
- **ci•teso** IWS software studio



- ✔ rugged operation –40°C to +85°C
- ✔ IEC61131-3 and IEC61499 programmable
- ✔ modbus / DNP / CAN
- ✔ ethernet / serial
- ✔ WiFi / cellular / zigbee mesh
- ✔ expandable
- ✔ EN50155 compliant
- ✔ data logging

AUSTRALIAN MADE

SCADA products...tough and smart

powerful programmable controllers

The **pro•teso PC3 series** programmable controller is built around the 32-bit NS9360 high-performance RISC processor (155 MHz) with MMU. The NS9360 is based on the ARM 926EJ-S, ARM's most powerful ARM9 core, which contains both DSP and Java byte code instructions. On-board memory includes 4/8 MB Flash and 16/32 MB RAM.

international programming standards

IEC61131-3 and IEC61499 – the IEC compliant programming workbench is a complete programming environment used to develop highly portable applications.

It fully supports all IEC61131-3 languages:

- ladder diagram
- function block diagram
- sequential function charts
- structured text
- instruction list
- plus flowcharts

The workbench is also IEC61499 compliant and provides tools for editing, debugging, code generation, documentation, library management, archiving, on-line monitoring, off-line simulation and on-line changes.

communications capability

With 10/100 Base-T ethernet capability as standard, the **pro•teso PC3 series** controller offers state of the art communications capability. Out of the box features include:

- 10/100 Base-T Ethernet (M12 connector)
- Modbus TCP/IP optional DNP
- 1 x Isolated RS485
- 1 x RS232
- 1 x USB2.0

Optional modular expansion is available for:

- Multi-Vehicle Bus MVB
- LON
- Profinet
- CANOpen
- IEEE 802.11 b/g WiFi
- ZigBee/802.15.4

maximum configurability

The **pro•teso PC3** controller inputs and outputs may be configured or expanded using a wide range of off-the-shelf modules. Select from our standard range of complete controllers or choose your configuration, the PC3 controller is quickly manufactured via a remarkable new process to create the complete controller solution.

expansion

The **io•teso I/O expansion modules** are a flexible way to increase the I/O density of the **pro•teso** range of controllers. A range of alternate types include 8 channel analogue input 0-10V/0-20ma, 4 channel analogue output 0-10V/0-20ma, 8 channel digital inputs and 8 channel digital outputs.

environmental

The PC3 has been designed specifically for high reliability applications. Operational temperature: -40°C to +85°C. Humidity: 5% to 95% (non-condensing).

compliance

EN50155:1996 compliance with visual inspection, performance test, cooling test, dry test, supply related surge and transient susceptibility test, transient burst susceptibility test and vibration, shock and bump test. EMC – IEC61000-4-4 to ±2 kV with performance criteria A. Direct transient burst as per IEC61000-4-5 to ±2kV with performance criteria A.

ci•teso IWS software studio

A powerful collection of automation tools that provide all the building blocks to develop SCADA systems and HMIs. Utilise **ci•teso** IWS integrated web technologies to take advantage of internet/intranet connectivity.

- Alarms, OPC, relational database integration, symbols, recipes, reports, trends, security and over 200 communication drivers
- One scalable rapid development environment
- Runs on any current Windows platform
- Microsoft .NET, OPC, ADO.NET, ODBC, XML, SOAP, ActiveX, VBScript and DDE
- Built-in interface to SQL relational databases
- Remote viewing-monitor through a built-in web interface

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BSI

ISO 9001:2000
OHSAS 18001:2007
ISO 14001:2004
AS 4801:2001

OEM Technology Solutions
Unit 13, 82 Reserve Road
Artarmon NSW 2064 Australia
P: +61 2 9966 9424
F: +61 2 9966 9429
www.oem.net.au

Distributor