

































## Emerson RTU / Flow Computer





Next-Level Automation for Industry 4.0

- FB3000
- FB1000
- FlowBoss 107
- ROC800
- ControlWave Micro











### Danfoss VSD / Soft Starter











- Compact Drives
- Industrial Drives
- Pump and Fan Drives
- Decentralised Drives / Motors
- Harmonic Filters
- Output Filters
- Soft Starters



## Eaton Switchgear / Motor Control

# Centralian Controls

- Eaton FAZ xEffect MCB
- Eaton NZM MCCB
- DILM / DILH Contactors
- PKZ / ZEB Motor
   Protection
- SASY Busbar systems
- RMQ Titan Pilot Devices
- Eaton Easy E4 PLC







#### **Proficy Automation Software Family**

Fully Integrated Industrial Manufacturing and Utilities Suite

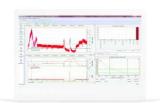
- Proficy Smart Factory (MES)
- Proficy Historian
- Proficy CSense
- Proficy Operations Hub

#### HMI/SCADA

**Drive Smarter Operator Decisions** 

- iFIX
- CIMPLICITY











#### **Smart Alarms and Reporting**

- Ensure Immediate Response with Reliable Smart Alarms
- Gain valuable insights into your plant's health from anywhere at any time.

#### Broderson PLC / RTU







- Modular RTU with or without integrated I/O and communication device.
- Real Time Linux Operating System.
- KEMA Certified Communication Protocols include (>20 available)
- Full Modbus Suite.IEC60870-5-101/103/104 IEC61850 Client / Server Protocol
- DNP3 Master & Slave. OPC UA Binding
- Global Distribution and Subscription of Event Based Time Stamped Variables.
- Communication Protocols can also be created in the logic application interface.
- Communication interfaces: 2 x Ethernet 10/100, 1x USB on the CPU module.
- Full EN/IEC61131 PLC runtime also used for special and flexible data manipulation.
- Includes power supply monitoring of the RTU32M supply voltage and temperature.
- Support for redundant power supplies and CPUs. Hot swappable I/O.

## Elpro Radio Telemetry







ELPRO offers scalable industrial wireless solutions from basic point-to-point or meshing to large scale infrastructure deployments.

Applications include water/wastewater, mining, oil and gas, environmental, electricity utilities, building automation and irrigation / agriculture.

Offerings include scalable solutions from basic point-to-point or meshing to large scale infrastructure deployments

## **Lacroix Data Loggers**





#### **SOFREL LogUp**

- Robust and scalable 4G data logger
- A single, scalable model for all water network monitoring

#### MY SOFREL LogUp app

Simplify commissioning

#### **LX CONNECT** centralization platform

- · Simple fleet management,
- Cybersecurity
- SCADA data transfer









## **CMCE TECHNOLOGY**

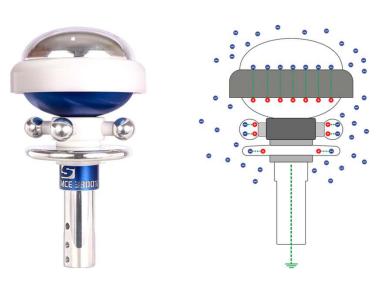
Designed to always balance and de-ionize the effects of atmospheric charge through multiple compensators,

Its operating principle is based on compensating, stabilizing the electric field existing in its environment,

# Electrical law – A balanced charge will not create a condition for a Strike

Cancelling the formation of the ascending tracer, neutralizing the possibility of discharge, draining the electrical charges to the ground, in harmless milliamperes.





## Edge Technologies

## Centralian Controls

# SENSA.iO by EDGE TECHNOLOGIES

LoRaWAN Intrinsically safe sensors for hazardous areas (Zone 0/1)

- IECEx / ATEX Approvals
- Compact, robust and weather-proof
- · Quick and cost-effective installation
- Cortex® 150Mhz-M4 for analytics at edge
- LoRaWAN Global frequency plans
- End-to-End Security: Inc.
- 128-bit AES encryption + MFA
- Bluetooth® 5 Low Energy
- Ultra-low power up to 10 years battery life



Differential Pressure
Flow and Level
Monitoring



Acoustic Clamp-on
Leak prevention and
quantification



Valve Positionning

**Equipment safety** 



Vibration
Predictive Maintenance
of equipment



Temperature

**Process Monitoring** 



Pressure

**Process Monitoring** 

ATEX II 1 GD, ATEX I M1, Ex ia I Ma, UKCA, IECEX Ex ia IIC T4 Ga, Ex ia IIIB T135 °C Da, Class I/II/III Groups ABCDEFG T4

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## Advantech Industrial Communication and Networking

# Centralian Controls



Enabling an Intelligent Planet

#### **Embedded Computing**

- Modular Industrial PC
- High Performance IPC
- · Fanless Embedded IPC
- Industrial Panel PC



#### **Cellular Routers & Gateways**



**Industrial Ethernet Switches** 



**Industrial Wireless and Gateways** 



**Ethernet / Serial Device Servers** 



**Industrial Media Converters** 



Serial / USB Communications



Gateways & Remote Terminal Units (RTUs)



**Industrial Protocol Gateways** 



Wireless I/O and Sensors



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#### **ATMOS Leak Detection**



Providing pipeline leak detection, theft detection and simulation technology to the oil, gas, aviation, chemical, water and mining & slurry industries.



**Versatile Solutions** 

leak detection
theft detection
pipeline optimisation
pipeline simulation
pig tracking
batch tracking
hydraulic profiling
tightness monitoring

**Whatever Flows** 

oil
gas
chemical
aviation fuel
slurry
sand
water
others

**Wherever It's Located** 

below ground subsea rural urban factory farm residential

above ground



## Beijer HMI



- BASE
- PRO
- MARINE
- CONTROL
- EXTREME
- WEB HTML5

Many versions and sizes 5" – 21"

Ruggedised and high bright screens options

Extensive driver list including AB EIP

Free Software iX Developer

Vector Graphics for scaling up / down screen size





## **MTL Instruments**





- Intrinsic Safety
- Signal Conditioning
- HART Interfacing
- Fieldbus
- Industrial Security
- Industrial Wireless
- HMI and Visualisation
- Surge Protection











































