



*Alta Industrial  
Automation Ltd.*

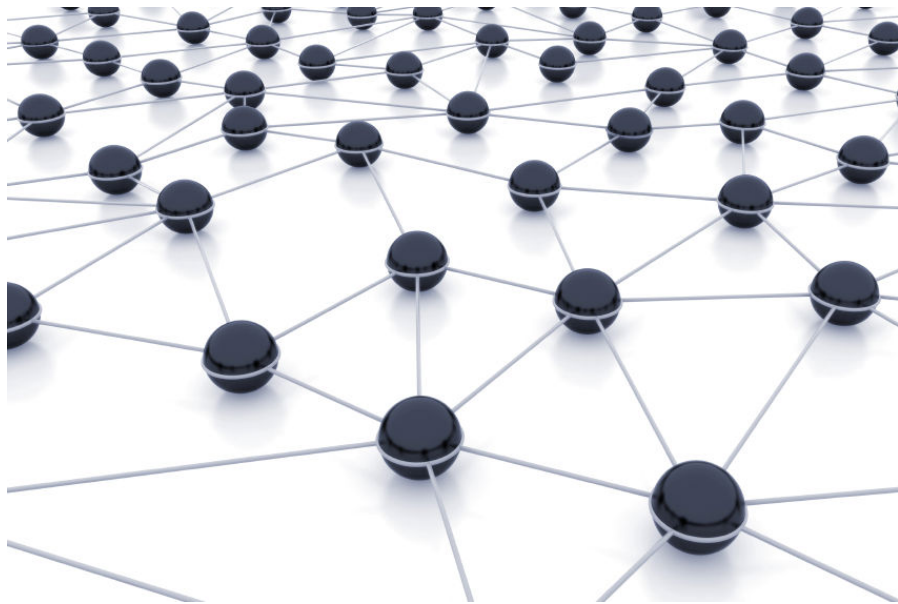
## Intelligent Device Networking

M2M

*Be in control of your remote assets.  
Save time & money;  
Connect with C-DAQ Wireless!*

### FE-Node

*Fugitive Emissions  
Sensor Network*

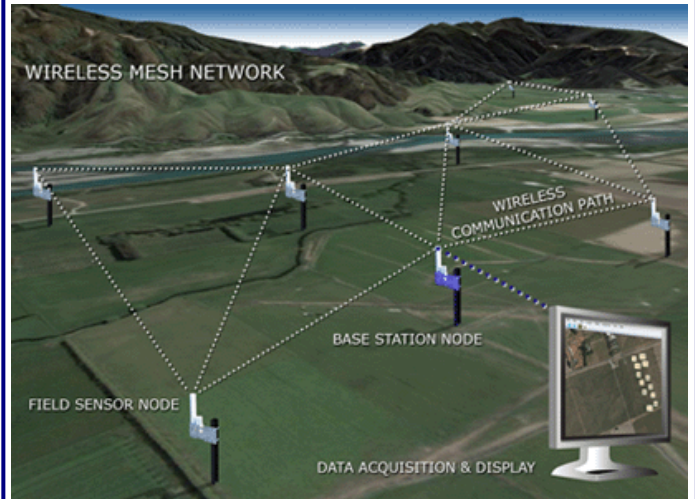


Features:

- A Real Time sensor network for Monitoring Fugitive Emissions.
- Wireless Mesh Network.
- Self Contained Solar Power Solution.
- Low Power Consumption.
- 12V or 5V Managed Sensor Power.
- Interface with Industry Standard Sensors.
- Intrinsically Safe Class 1 Zone 1

# Do MORE with less; Go C-DAQ wireless!

C-DAQ FE Node is a wireless networking solution for Fugitive Emissions monitoring. The system's **unique feature** is the ability to locate sensors in the most remote areas, while capitalizing on the FE Node's power management and communication solution.



## Base Features:

- 2 mile rf line of sight range
- IEEE 802.15.4
- DSSS (Direct Sequence Spread Spectrum)
- 128 bit AES Encryption
- Data Throughput up to 35kbs
- RS232 UART max BR 460kbs
- 128 bit AES Encryption
- AT & API modes
- Operating Temperature -40C to +85C
- 6W and 12W Solar Panel Option
- Intrinsically Safe for operation in hazardous areas
- Class I Zone 1
- 5V and 12V sensor power options
- 4 analog inputs
- 12 bit analog to digital converter
- Industry standard inputs: 4-20mA, 1-5V, 2-10V
- License free ISM 2.4GHz
- Transmit Power 50mW (+17dBm)

## Expansion Options

- C-DAQ Fugitive Emissions Gas Sensor Modules
- Data Logging
- Sensor Power Management
- Global Positioning System (GPS) data stamp
- RS232/RS485 sensor interface
- Cellular base station

## Accessories

- Mounting brackets
- Antennas

## Applications:

Send and receive data using wireless mesh networks. The FE Node is an ideal solution for:

- Smart Energy
- ATM Terminals
- Automotives
- Data Collection
- Gas Pumps
- Other devices requiring M2M and wireless/internet connectivity
- Asset Tracking
- Remote Monitoring
- Security Systems
- Vending Machines
- Remote Diagnostics
- Remote Tanks
- Gas Wells
- Irrigation
- Air Quality
- Utilities
- Environmental Monitoring
- Fleet Management
- Asset Management
- Data Logging
- Appliances

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