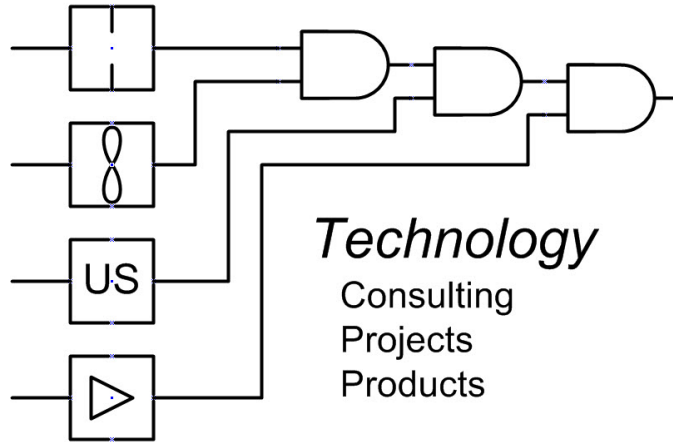


# METROLOGICS, LLC



## Products & Services

Metrologics, LLC

27027 Westheimer Parkway, Suite 700

Katy, TX 77494

Phone: 281-382-8987

[www.metrologics.net](http://www.metrologics.net)

# About us

- **Company**

- 20 year old company
- First incorporated in Louisiana
- Incorporated in Texas 2009
- Located in Katy Texas
- 35+ years experience in-house for SCADA, communications and alarm notification systems, automation, control, product development/management, etc.
- Certified reseller and installation provider for several instrumentation and control products suppliers.

# Services

- **Professional Consulting**
  - New Product Development
    - Design
    - Management
    - Documentation
  - Measurement Systems Auditing
  - PLC/HMI
  - SCADA
  - Communication Infrastructure
  - Hosted Data and Visualization
  - Training Class Development and Implementation
  - Business Development/Sales
  - Oil & Gas Facility Acquisition Due-Diligence
  - Etc.

# Services

- **PLC/HMI Application Programming, and Systems Integration**

- Crouzet
- Delta
- RENU
- Horner
- IDEC
- Siemens
- VIPA
- Allen Bradley
- Schneider Electric
- Direct Logic, AD
- TRI
- Fuji



# Services

- **PLC/HMI Project Examples**
  - Salt Water Disposal Site Control
  - Production/Pumping Site Control
  - Tanker Truck Delivery System
  - LACT control System
  - ESD/Safety Systems
  - Compressor Speed Control
  - Compressor Training Simulator
  - Chemical Injection Pump Control
  - Gas Detection Systems
  - Data Translator
  - Etc.,



# Services

- **SCADA Systems Integration**
  - Primary Systems Integrator for Ignition



# Services

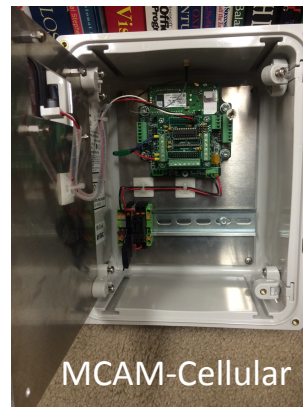
- **Communication Systems Integration**

- Cellular

- MCAM – Data logger/alarm monitor
    - Single Point Access
    - Gateways

- Satellite

- Message Model
    - BGAN Static IP
    - L-Band





# Products

- **MCAM**

- Stand-alone data logger
  - User defined tag database
  - 32 Mb on-board FLASH memory
  - Expandable from 2Gb to 32Gb using removable micro SD card
- Monitors Inputs
  - Digital and Analog Inputs
  - Modbus Registers (RS485)
    - Up to 31 wired slaves
    - Up to 255 wireless slaves
    - Compressor annunciator shutdown codes are mapped in tag database and reported with code and enumeration
- Expandable
  - Options
    - GPS, ZigBee, Mesh Radio, Relays, Thermocouples, DAC, ADC, Local LCD or touch screen HMI, etc.
- Reports Alarms
  - On any tag (state change, or HH, H, Normal, L, LL)
  - SMS text messages
  - Email
  - Messages are user configurable
  - User managed notification contacts list
- Scheduled reporting pushes for logs
  - Any SMTP server
  - Any FTP server
  - Dedicated Metrologics Server with browser interface for viewing, reporting, and remote tag manipulation
- Cellular, Satellite, Radio communications
  - Metrologics cellular or satellite SIM/Monthly Services available
- PC based setup utility
  - We setup/program units
  - Or we can provide training





# Products

- **MPLC**

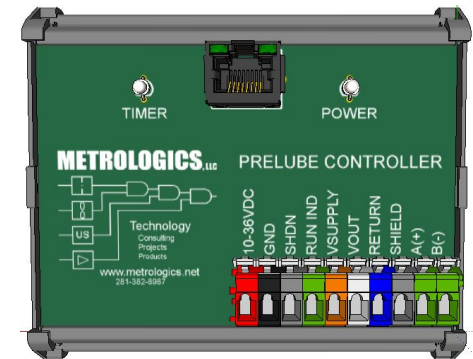
- **Compressor Pre-Lube Controller**

- Monitors pre-lube oil pressure
    - Bypasses shutdown during timer period to allow engine start
    - If a low pressure condition exists, unit shuts down engine
    - Modbus RTU communication available for integration with external systems
    - Status LED's for timer and power status
    - Color coded, tool-less terminals
    - Pressure transmitter included, factory calibrated
    - 10-36 VDC powered

- **MPLC-RCU**

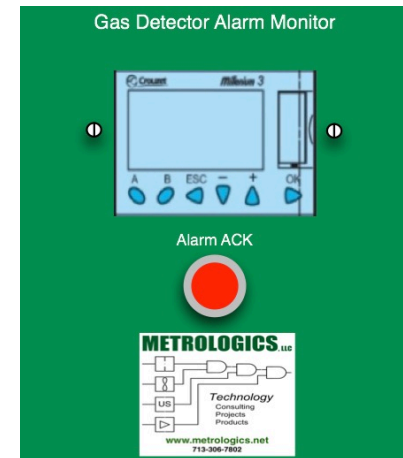
- **Remote Configuration Unit**

- Local LCD user interface
    - View system status of timer and pressure
    - Set timer and pressure thresholds
    - Calibrate transmitter
    - No external power required, uses a single standard Ethernet cable, RJ45
    - Unique one-button interface
      - Turn to highlight, push to select, turn to increase or decrease setting, push to enter. Simple & Easy!



# Products

- **MGDS**
  - **Gas Detection Systems**
    - **Wired**
      - 1 to 4 transmitters
      - Dedicated Controller
        - » Local LCD/Keypad
          - High-High, High, Low, Low-Low
        - » Adjustable Alarms for each transmitter
        - » Four 8A relay outputs for local annunciation
        - » Modbus RTU communication option
    - **Wireless**
      - Up to 24 transmitters
      - Dedicated wireless master controller
      - Modbus RTU available



# Products

- **MCIPS**
  - **Universal Chemical Injection Pump Controller**
    - Pneumatic
    - Single Phase DC
    - 3-Phase DC
    - Single phase AC
    - 3-Phase AC
    - Setpoints for desired chemical delivery/Day
      - Quarts
      - Liters
      - Gallons
      - Barrels
    - Temperature and Flow Overrides
    - Integrated discharge pressure transmitter (PD pumps)
      - Used to count pulses (for volume calculations, report discharge pressure, and report pump failure modes)
    - Optional tank level transmitter
    - Extensive Modbus RTU database
    - Remote communication/control
      - RS485/RS232
      - Radio
      - Cellular
      - Satellite
    - Optional back-end data collection and web interface
    - Local LCD/Keypad User Interface

**Generation 4  
Coming soon!**

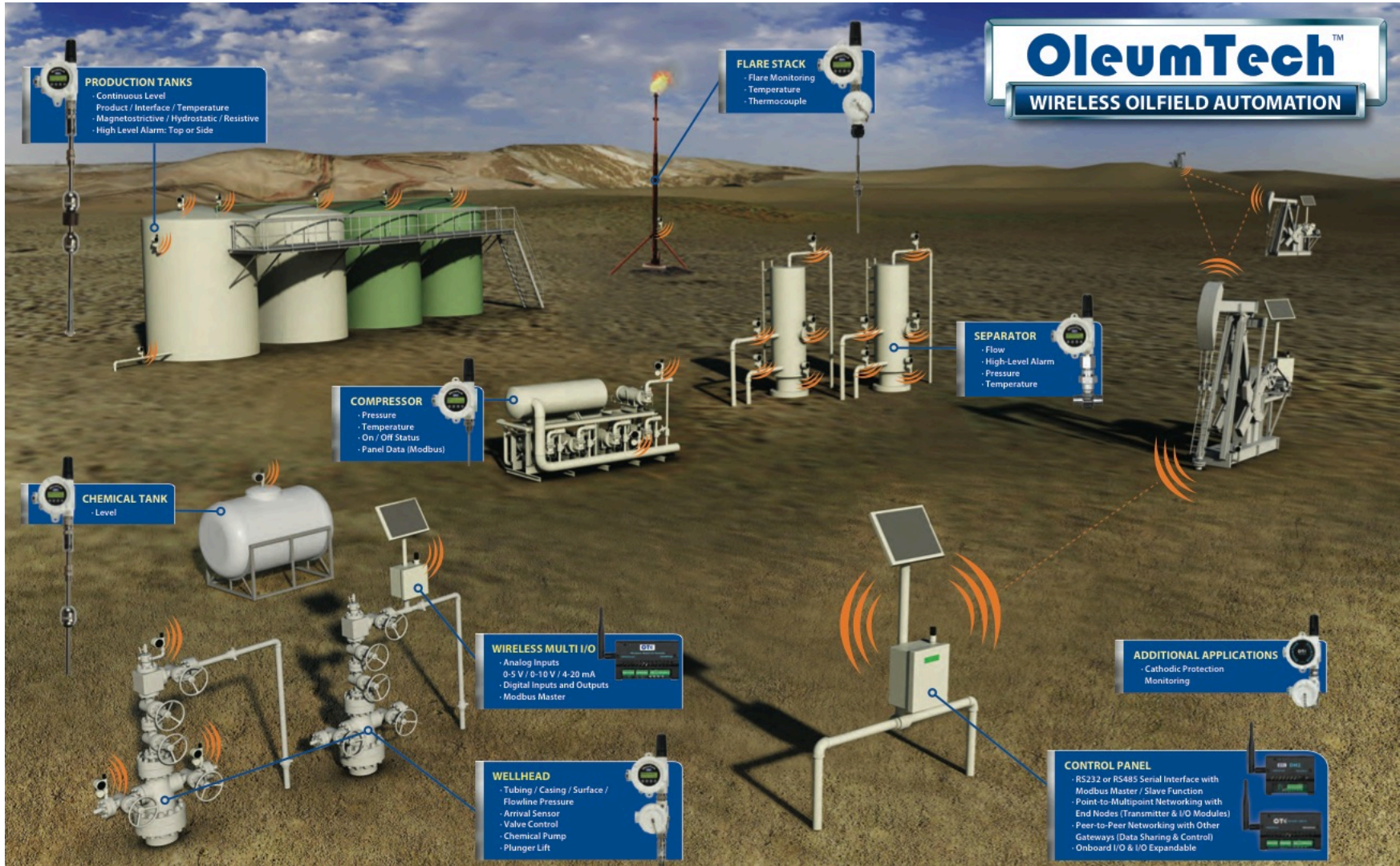
# Products

- **Instrumentation**
  - Transmitters
    - Wired or wireless
      - Pressure
      - Level
      - Temperature
  - I/O Modules
  - Flow computers/Totalizers (gas, liquid)
  - Meter Runs
  - Analyzers
    - Chromatographs, Moisture, etc.
  - Fittings
  - Electrical Supplies
  - Computer and Network Hardware
  - Etc.



# Products

- Oleumtech Distributor/Systems Integrator



# Contact

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