SIREN - DATA DELIVERED

Remote Monitoring
Custom Alarms

The Axess Siren is an IoT (internet of things) cellular transmitter using the latest LTE CAT M1 technology for sensors and fully integrated with Axess cloud monitoring and alarming services.

Configure multiple alarm thresholds and monitor by exception. Alarms can be delivered to you in values you understand, such as MPY process corrosion/erosion rate, wall thickness values, tank levels and other process parameters such as temperature and pressure. All integrated within the Axess dashboard that then enables users to decide on outputs to your DCS or SCADA system.

A fixed platform version is also available for clients that prefer the security of non-cloud hosted data.

The Siren functions with many different transmitters, but for your ER or LPR probe locations, we attach the Axess Online Transmitter to your exisiting probes and from there we can wire up to four transmitters to a single Siren. In some cases it may be more cost effective to install a single Siren at each point.

UPGRADE EXISITING PROBES LOCATIONS

FUNCTIONS WITH ALL ER AND LPR PROBES

DATA ALARMS DELIVERED BY SMS OR EMAIL

MULTI INPUT ALLOWS CONNECTION TO MULTIPLE SENSORS

CLOUD DASHBOARD DISPLAYS GRAPHS, RATES AND GPS LOCATIONS
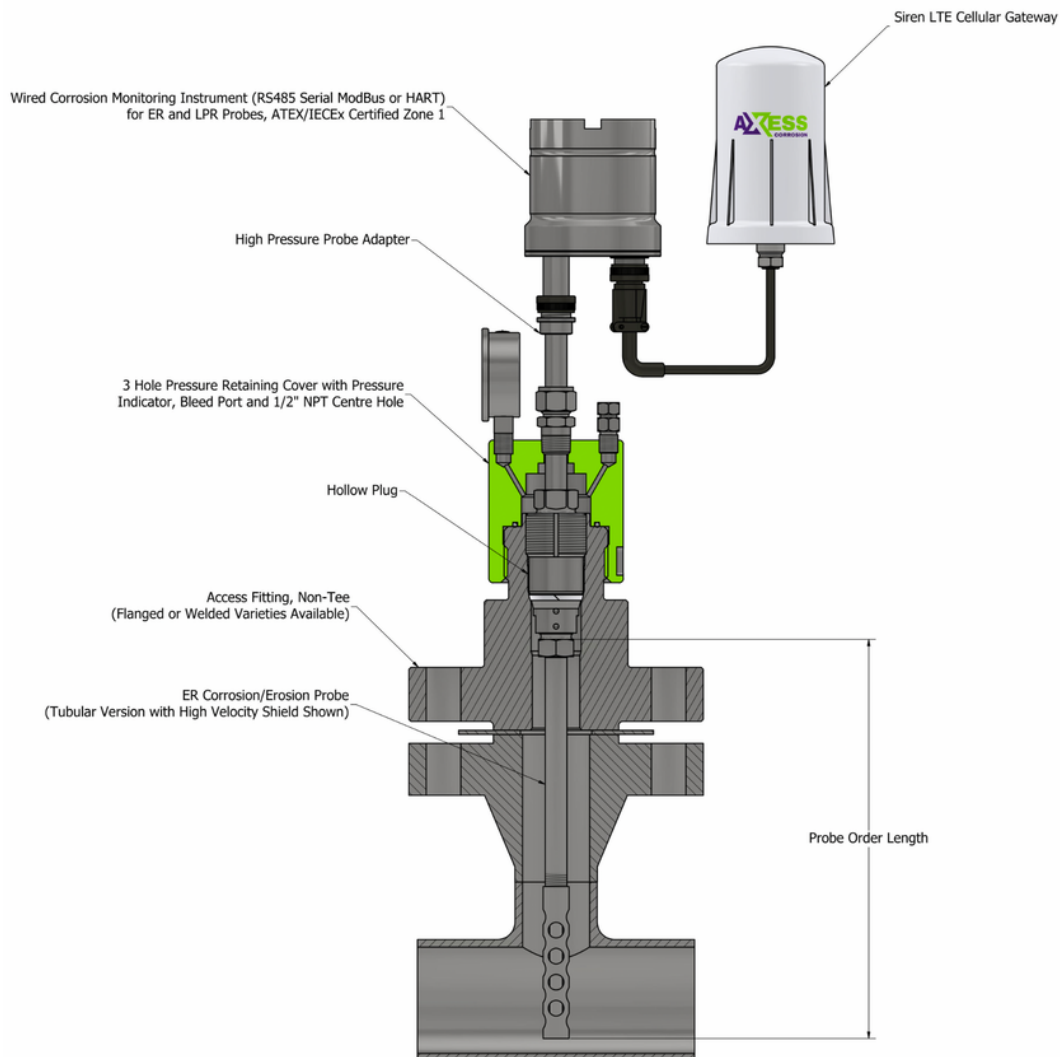
Reduce Risk Save Time

Remote Data Collectors are common for areas not easily accessible, but these systems collect and store data that must be retrieved from the field and then uploaded to a fixed software package and then exported to and xls file. All of this takes time and can be removed from your activities if you opt for a system that delivers data at intervals you set and you can remove the need for technicians to spend time visiting locations to collect history. By doing so, you have a true monitor and with your custom alarms, you only need review data when there has been an exception.

Enhance Control Optimize Flow

At sites with high levels of poisonous gas or generally harsh environments, the Siren works for you.

You can monitor process conditions and enhance the control of your chemical injection program by controlling pumps and maintaining injection rates while trending the effectiveness.

Our Siren has been used to send temperature readings to verify the optimum performance of artificial lift at well sites.

Siren LTE Cellular Gateway

Wired Corrosion Monitoring Instrument (RS485 Serial ModBus or HART) for ER and LPR Probes, ATEX/IECEx Certified Zone 1

High Pressure Probe Adapter

3 Hole Pressure Retaining Cover with Pressure Indicator, Bleed Port and 1/2" NPT Centre Hole

Hollow Plug

Access Fitting, Non-Tee (Flanged or Welded Varieties Available)

ER Corrosion/Erosion Probe (Tubular Version with High Velocity Shield Shown)

Probe Order Length

Technical Specification

The Siren has two (2) digital inputs, One (1) analog input and one (1) relay output. The digital inputs can detect on/off status or frequencies up to 2kHz. The analog input can be set to 1-5Vdc or 4-20mA and powered by the built-in battery pack. The relay output is a single pole single throw N.O or N.C capable of loads up to 2A @ 30Vdc. 0.3A @110Vac or 0.5A @ 125Vac.

Operating Temp:
-40 to +185°F (-40 to 85°C) Humidity: 0% - 100% condensing
Thionyl Chloride batteries • Optional solar power
Battery Life: Up to 5 years
Data Interface: LTE CAT M1 MQTT
Weight: 1 lbs (0.6kg)
Cellular Radio Power: 23dBm Antenna Type: LTE w/ Internal GPS
Enclosure: Industrial polycarbonate UV Rated; IP64
Safety Rating: Class I, Div 2

Innovating Safety...