



## Overview:

There was need for a much powerful SCADA system that could not only monitor but control remote field devices and do much more such as reporting, alarms, historical data and provide detailed grid data.

## Services:

- Design
- Configuration
- Commissioning

## Tools & Technology:

- KEPServerEX
- ICONICS Genesis64
- ICONICS AlarmWorX MMX

## Magnitude:

- 16 Months
- 1 Technical Lead
- 5 Engineers

## Challenges:

The biggest challenge faced with XSPOC was not providing the client with the ability to monitor and control their complete set of devices – keeping them from optimizing their overall operations. More importantly, there was a complete lack of the desired reporting, alarming, and data analytics in the client's existing system.

## Solutions Provided:

SOAP Engineering was brought in to help select a SCADA system to design and implement an end-to-end for monitoring the production facilities. SOAP needed a system that was flexible enough to deal with the variety of PLC platforms that were used to manage the different assets. SOAP also imported measurement data into the same SCADA system allowing the storage of all data related to the facility to be in one place.

The system SOAP designed consisted of a web and mobile platform to allow versatility in the access of data. Alarm management was put in place to route notifications via email, SMS or phone call.

## Accomplishments:

- Reduced tank spills by 25%
- Decreased response time to maintenance issues by 50%
- Allowed for operations routing based on alarm priority and geographic location