



COMPLETED STAGE IN CSG PROJECT

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PARASYN have completed a stage in the delivery of the Spring Gully SCADA upgrade.

Origin Energy CSG has been working in Coal Seam Gas for several years. Spring Gully is a major Coal Seam Gas (CSG) field they manage located 80km North East of Roma, Central Queensland Australia. Spring Gully required their SCADA system to improve productivity and diminish unnecessary manual tasks.

The Spring Gully Well Production SCADA and Information System was developed with large scale and system sustainability in mind. Specific areas of engineering focus include the reliable and systematic monitoring of Well Head controls and configuration parameters.

Very early in the design stage Origin Energy determined that Well Head site configuration may change as the performance and characteristics of the well changes. As such the instrumentation, electrical interface, control devices, communications, SCADA and Information Systems were tightly integrated resulting in a site configuration change by the “click of a button”.

Origin wanted to develop a SCADA and telemetry monitoring system capable of supporting a large number of production wells distributed over an area of 500 – 700 square kilometers. They also wanted to be able to allow for full automated control of well heads remotely, monitor accurately the wells operations and analyze system performance for operational and remote asset managers. This also gave offsite production engineers access to process data for data modeling and engineering analysis.

Origin reduced the need for operations staff to frequently visit the site. This reduced the environmental impact on the site and the use of roads. It also increased safety with decreased requirement from staff driving to site. For Origin Energy perhaps the single most important benefit is the access to the tools and information allowing them to continue to improve the production performance.

Origin Energy CSG Head Office now have access to data not previously available. This can be used for reporting, analysis and data mining. Another way PARASYN are helping business run more effectively.