

CONTINUUMEDGE PARTNER CASE STUDY: ORIGIN ENERGY



SUMMARY

CHALLENGE:

Reduce time spent on delivering well handovers by improving and simplifying completion process.

SOLUTION:

An automated system to compile commissioning dossiers powered by ContinuumEdge CCMS.

RESULTS:

- A consistent suite of documentation for well delivery
- Users are able to upload documentation automatically
- A more accurate view into Mechanical Completions
- Time spent on creating each dossier from 5 hours to only a few minutes

Origin is proudly Australia's leading integrated energy company – exploring, generating and delivering energy solutions locally and internationally. Delivering today's energy needs to more than 4 million electricity, natural gas and LPG customers, Origin Energy is Australia's largest energy retailer.

CHALLENGE

The Field Delivery and Well Commissioning and Stabilisation (WCS) team at Origin Energy sought an improved well handover and completion process for the Australia Pacific LNG Upstream Project. Andrew Rogers, Completions Manager, Field Delivery, challenged the team to combine innovation and collaboration to develop a best practice approach to simplify their current process.

“During the early phases of the project the well handover processes in place saw 80,000 pages of documents delivered to enable gas from the first 44 wells in Condabri,” Andrew said. “To deliver the other 933 wells in Phase 1 we really needed to question the way we were doing things and were keen to produce the same quality of work but at a fraction of the time.”

To accomplish this goal, the team knew that they needed to implement a new methodology of creating handover packages married with the latest in completions software technology.

SOLUTION:

Working with the Field Delivery Document Control and the Completions and Commissioning Management System (CCMS) teams, the WCS team created an automated system to compile a more streamlined version of commissioning dossiers using Continuum Edge® - CCMS. As part of the well delivery process, the WCS team now compiles a dossier containing a suite of documents of all of the relevant inspection test records, installation check lists, completions certificates and procedures used throughout the commissioning process. An average well site commissioning dossier may contain over 180 pages and take up to 5 hours to put together.

“The streamlined commissioning dossiers are fully generated inside our completions work flow tool Continuum Edge® - CCMS,” said Wayne Richards, Well Commissioning and Stabilisation Manager. “The CCMS team built a form inside the system that auto populates links to all commissioning records related to a specific well. From this, a 4 page dossier is generated referencing all relevant commissioning documents, making it easier for people to find what they need without searching through a 180 page document.”

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COMPLETIONS MANAGER, ORIGIN

RESULTS

The result was a more simplified set of processes that included:

1. Delivering a consistent suite of documentation for well delivery.
2. Implementing Electronic documentation that allow users to complete activity and automatically upload documentation.
3. Developing “Real Time” monitoring processes that provide a more accurate picture of Mechanical Completion.

“By comparison, if the same 44 wells during the initial phase were delivered with this new simplified process, less than 2000 pages of documents would be produced, all electronic and accessible anywhere online,” said Andrew.

“Not only has it reduced the document size, but also the time spent to create each dossier from 5 hours to only a few minutes - an enormous time saving.” The new process will be used to compile and deliver all 977 well commissioning dossiers for the Australia Pacific LNG Upstream Phase 1 Project in less than 2 percent of the time it was taking to manually generate the dossiers. Both the Field Delivery and WCS teams will continue to work together closely to expand this process further to all vendor documentation and eventually create a ‘one source’ document reference point for the Operations Teams.

ABOUT CONTINUUMEDGE®

CONTINUUMEDGE®(CE) SOFTWARE OFFERS A ONE-OF-A-KIND SOLUTION TO MANAGE ALL ASPECTS OF A PROJECT. CE IS MUCH DIFFERENT THAN ANY OTHER COMPLETIONS SYSTEM, AS IT IS DESIGNED AS A COLLECTION OF “MANAGEMENT SYSTEMS” THAT ENABLE OUR CLIENTS TO MANAGE ACTIVITIES FROM THE BEGINNING OF A PROJECT - FROM FRAMING AND FEASIBILITY, THROUGH FEED, DETAILED DESIGN, CONSTRUCTION AND COMMISSIONING AND CUSTODY TRANSFER TO OPERATIONS.