



QGC



Surat North CASE STUDY

Real-time project records

CPB Contractors' work on the QCLNG Surat North Project involved the delivery of critical gas infrastructure by an experienced team with a long-standing history of supporting Shell QGC. Envision was the primary reference for project data and progress information and was deployed since the project's inception in 2015. The team used a wide range of Envision's features to record time and labour, manage rostering and attendance, raise events, view dashboards and more. Envision supported:

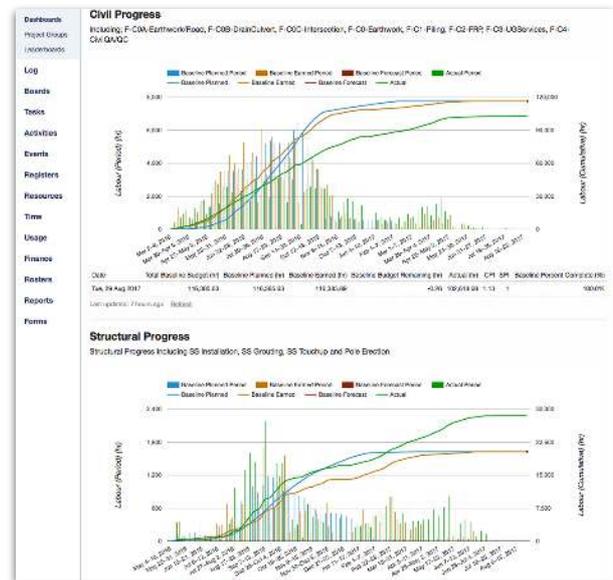
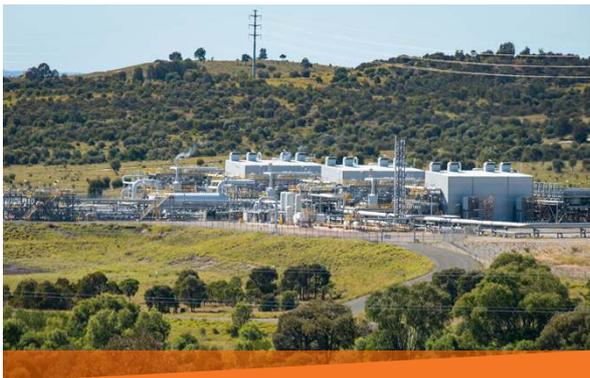
- 1,362 photos and 3,022 user comments linked directly to Activities or Events
- 2,559 progress entries
- 406,178 cost entries (labour and equipment)
- 3,051 reports (daily, weekly etc)

On a daily basis, team members used Envision's mobile and web platform to capture information, creating a real-time record of project data. As the project's single information source, leaders and managers referenced the same portal to drive decisions and client reporting.

Key advantages

Fast-tracking weekly reports

Envision made the creation of weekly reports much easier, giving better visibility around earned value and other measures. Automation saved manual effort, enabling team members to focus on higher value work.



"Just looking at a total project doesn't tell you about your performance in critical areas to maintain end dates. Envision lets us break that down in our reporting to demonstrate we'll hit a target. Producing familiar reports in a trusted environment, that are reviewed, means there is no doubt around validity."

-Matt Killen, Controls & Finance Manager, CPB Contractors

"Envision provides a central source for all project data, which is handy and much better than spreadsheets. It also streamlines the creation of weekly reports – a real area of value. On roles I've held previous to CPB Contractors, everything was manual. Particularly if you have no system, there's a big difference with Envision. Every day we have team members feeding information in, right across our project. Because it is widely used, it gives you a true central repository of data."

-David Towsey, Senior Project Engineer, CPB Contractors

Creating a foundation for forecasting

Leaders could monitor a wide range of project measures including labour, cost and schedule indicators. That information became the foundation for forecasting manning and other resource levels on a weekly and monthly basis.

Eliminating the use of spreadsheets provided three core strengths – access, accuracy and accountability. All relevant personnel could access data at any time and, with daily inputs by field teams, have greater confidence around the health of that data.

Improving project conversations

On projects like this, teams would typically have conversations based on cost centres. While Envision absolutely supports this, it made it easier to also focus on schedule activities – what's planned and what should be ready to go – by ensuring a consistent language and set of measures around the schedule. This was particularly valuable in the event management space.

The team was better equipped to identify whether something had interfered with planned work, and why, separating planned tasks from unplanned events. This was also key to building client trust by being able to demonstrate absolute progress against targets using an open-book approach.

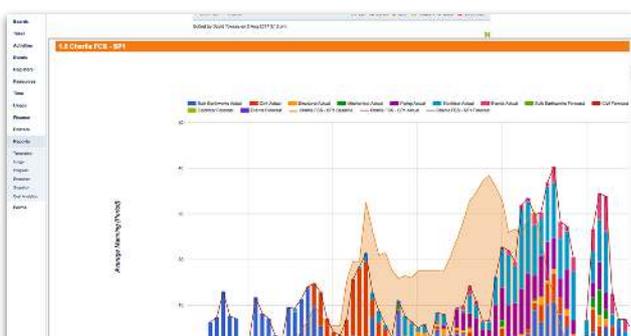
Clarifying earned progress

It's common to know a project's claimed values and cost to completion. However, they don't necessarily relate to what a project has actually earned. Envision provides the insight needed around spent and earned values. For a cost reimbursable contract, this was critical for all project parties because it showed how the team was performing in real-time. Taking that a step further, through rules of credit, Envision supported a more robust position on earned progress.

Highlighting the critical path

Envision made it possible to select critical activities across the project and report on that progress separately. The ability to drill down to any level, at any stage, helped to focus reporting on areas that were the most meaningful indicators of overall progress. This provided greater assurance that targets would be met – with the flexibility to break the detail into different levels and different groupings across the team's scope.

Sample manning histogram



"The thing I like about the day-to-day coal-face knowledge is that we have conversations about schedule activities and not just cost centres. If it was only cost centres, and something interfered, people could think it was the same planned task. There's a great benefit in having the detail to separate intended tasks from unplanned events. By identifying and including these events in your schedule, you have the opportunity to manage issues effectively.

When you have the right information in the right place, you get control and can really manage a project. At a top level, progress is not normally measured so minutely. Envision, through its rules of credit, has a much more robust and defensible position on the progress you've earned, rather than basing it more on a rule of thumb."

-Matt Killen

"The Envision team has been very receptive to helping find new solutions when we've had problems to keep us up and running."

-David Towsey

Implementation and improvement

The CPB Contractors' team was already familiar with Envision based on previous QCLNG projects. Just one of the benefits of the relationship between the project team and hands-on Envision team was the ability to resolve challenges quickly.

Recording progress was the core function desired by CPB Contractors. However, over time, the team introduced other features, such as dockets for processing claims, roster and flight management, and monthly cost reconciliations. These features added value, reduced administration and ensured a single delivery platform for the project team. They meant that Envision maintained relevance, without the need for supplementary systems – ultimately streamlining project management.

