



Reducing Rework and Achieving Strong ROI for Offshore Construction

The Challenge

One of the most respected construction and engineering organizations in the world came to Cumulus for help increasing productivity while maintaining the highest quality work possible. They decided to explore digital solutions to solve some of their most common challenges, specifically for the construction of offshore platforms.

Because many of their processes were paper-based, the customer found that tracking the status and history of each flange was challenging. Further, they wanted a way to increase the data accuracy of reports, while ensuring adherence to all standard operating procedures.

- ✘ Paper-based reporting structure is time-consuming and prone to errors
- ✘ Inability to quickly track status and history of each flange connection
- ✘ Challenging to monitor adherence to standard operating procedures

The Solution

The customer decided to partner with Cumulus to implement a digital solution for planning and tracking all bolted joint management activities. By deploying Cumulus on their projects, the goal was to achieve real-time quality and progress monitoring.

Integrating Cumulus into their everyday work processes, the customer built out custom workflows to guide workers through construction activities. They leveraged Cumulus' intuitive mobile app, cloud-based control center, and Bluetooth-connected digital tools to track project status from end-to-end—**improving safety, productivity, and quality.**

- ✔ Cloud-based digital reporting saves 2+ hours of time per work completion
- ✔ Build project workflows and track work progress in real-time
- ✔ Remotely monitor work quality and manage by exception

The Results



The customer saw positive results across projects after implementing Cumulus technology.

The technology allowed them to eliminate reporting paperwork, track work progress in real-time, and improve work quality by setting target torque values via Bluetooth-connected tools.



2+ hours of paperwork
eliminated per joint



Nearly \$80 in ROI for
each connection



Reduced rework to
nearly zero instances



After implementing Cumulus, we saw a strong return-on-investment and noticeable gains in productivity and quality. Their technology has been an excellent addition to our projects.

- *Piping Superintendent*

