



Pentagon



EMPOWERING MORE INTELLIGENT DESIGN AND INFORMATION MANAGEMENT FOR IMPROVED PROJECT DELIVERY

Industry

Manufacturing - Oil & Gas

Accruent Solution

Meridian - Engineering Information Management

"We chose the Accruent solution to support the rapid adoption of 3D modeling tools by the industry and our customers. The seamless integration between Meridian and SolidWorks allows us to provide our customer with much more intelligent design while easily managing changes to this information."

– Zaneb Khan, Systems Technician

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CONTINENTS SUPPORTED

10K +

SUBSEA ASSEMBLIES DEPLOYED

260K +

TOTAL DOCUMENTS

25K +

CAD MODELS AND DRAWING

THE COMPANY

MSCM Ltd is a manufacturing and development company that specialises in producing a range of components for the Subsea Controls market, including hydraulic couplings and fly-to-place stab plates. The company services clients in the Oil & Gas industry worldwide, with offshore projects undertaken across six continents.

THE CHALLENGE

MSCM was using a paper-based, decentralised archive to manage a growing number of documents and engineering drawings. Locating relevant files for projects could be time consuming, and manual changes by multiple team members often led to duplicate versions of documents. The company also needed a solution that could more efficiently manage CAD files to support the industry's and its clients' transition to 3D modeling.

- Manually intensive search and collation of documents for client approval
- Lack of automated version control caused duplicates and time wasted comparing changes
- Need to better support clients' growing 3D CAD needs

"By consolidating our engineering documents into one central, controlled system and syncing properties with SolidWorks, Meridian has enabled our staff to find relevant drawings and parts 93% faster than before."

- **93% faster document search speed**
- **3% fewer duplicate engineering drawings**
- **0 missing file incidents over the last 2 years**
- **Increased Engineering and Operations productivity**
- **Improved compliance with equipment and client requirements**



THE SOLUTION

MSCM implemented Meridian with the help of Accruent partner, Pentagon Solutions, to consolidate its more than 260,000 documents into one enterprise-wide, digital system. Users across Engineering, Project Management, Production, and Operations are now part of a robust document management workflow that automates engineering change requests and approvals for streamlined project delivery.

Meridian's integration with SolidWorks also manages MSCM's references and parts library to easily identify all assemblies where a part is used.

- Standardised workflows across departments with email notifications
- Configurable access rights and detailed audit trails to control design changes
- Automatic bi-directional title block syncing with SolidWorks

"Meridian helped us optimise our working practices across Engineering, Operations and other departments, which has led to quicker and higher quality project delivery for our clients."

THE RESULTS

Meridian has helped MSCM significantly decrease the time spent locating and managing changes to engineering documents, resulting in improved employee and operational efficiency. Controlled change management with complete revision histories has reduced duplicate drawings and streamlined compliance with both equipment quality standards and customer data security requirements. Additional value is provided to clients by more quickly compiling documents for their approval, and through the SolidWorks integration to support their growing 3D modeling needs.

SPEAK TO A SPECIALIST



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