



AUTODESK **CONSTRUCTION CLOUD™**



How Construction Document Management Eliminated Global Connectivity Barriers for Influit Production Solutions

Founded in July 2014, Influit Production Solutions (Influit) offers various solutions to the oil and gas industry, including fast-track production facilities and water treatment systems; project engineering; design; and procurement and operations maintenance services from concept to operation. Influit's mission is to become the industry-leading lifecycle oilfield service provider. Their approach fosters trusted working relationships while providing experience, skills, and industry-leading knowledge to deliver expedited, cost-effective customer-focused solutions.

Although a relatively new company, Influit was founded and is run by experienced industry engineers supporting engineering solutions for both onshore and offshore oil and gas projects. With offices in Iraq, Indonesia, the United Arab Emirates, and the UK, their employees are increasingly collaborating across geographies and disciplines on a range of projects for their customers.

Customer Snapshot

FIRM SIZE: <500
FIRM TYPE: GENERAL CONTRACTOR
REVENUE: \$3.5 MILLION
FOCUS AREA: INDUSTRIAL
HQ: GLOUCESTER, UNITED KINGDOM

PHASE:



PRODUCTS:



VALUE DRIVERS:



Quality



Winning Business



Schedule

Paul Rafferty is a Piping Designer at Influit. His role involves working with process engineers on devising the best layouts for their customers' oil plants and the associated piping within them. With the design portion of the project happening in Indonesia and the engineering side happening in the UK, Influit needed a collaborative tool to manage data across the globe. This is what led the team to adopt BIM 360 within Autodesk Construction Cloud™.

"Around 18 months ago, we began exploring tools for our design operations, and that's when we were introduced to BIM 360," says Rafferty. "We were at that time working on projects in Iraq and Madagascar, so being able to collaborate efficiently and improve connectivity across our global teams is important."

BIM 360 provided a wealth of data management and construction project management capabilities that immediately made Influit's work safer and more effective. For instance, process flow sheets had been a challenge during the design and construction lifecycle previously.

Manually marking up design amendments and comments on printed drawings, scanning, and sharing them via email increased the risk of mistakes. Sometimes confusion arose over the latest revision of a drawing because they lacked the collaboration tools to access the latest documents on a project in real-time.

BIM 360 made it possible for colleagues in the UK and Indonesia to access the same documents and collaborate remotely without any lag or concern about versions.



“We originally intended to use BIM 360 purely as a design tool to link up piping and equipment design models as well as process drawing sheets on a particular project,” says Rafferty. “But we soon realised the benefits that the solution could offer through improved document control.”

This is especially important in the oil and gas environment, where mistakes can lead to catastrophic consequences – reduced mistakes made for a safer project and more reliable outcomes.

How to Implement an Effective Document Management System

Rafferty was the first person in Influit to be trained on BIM 360 and was responsible for introducing it to the rest of the team. He became intimately familiar with how it works and both the challenges and the benefits of implementation.

“Some of our engineers were a little sceptical at first as it was a brand new way of working for them and also the first time they’d ever had to mark-up drawings and process flow sheets online,” says Rafferty.

“After a little learning on the job, they quickly came around, and a lot of the feedback I received was about how intuitive the technology was to use.”

Influit invested in iPads for their team to access data in the field and work remotely when necessary. BIM 360 gave teams in the UK the ability to make amendments and suggestions on drawings and process flow sheets that were instantly visible to colleagues in Indonesia.

“This was a game-changer,” says Rafferty. “One of our team members asked me what the technology could do for him because he lived in Cornwall, and I joked that he could mark up drawings on the beach. To my delight, he came in the following week telling me that his most recent mark-ups had travelled 6,987 miles in the blink of an eye from Cornwall to Bhutan, thanks to BIM 360.”

BIM 360 Data Management Saves Time and Transforms Relationships

The time savings made by using BIM 360 and the more reliable and efficient ways of working have helped transform relationships across geographies for Influit. Rafferty says, “Not only can the team collaborate in real-time on projects, but it’s also created an additional layer of trust. We’re able to

add comments to documents, drawings, and models assigning our names against them, which improves accountability on our projects.”

The time savings and collaboration benefits of BIM 360 for construction project management have been so significant that Influit is now rolling BIM 360 out across additional projects and stakeholders.

“For the latest project I’m working on, we’ve given our customer access to the technology by creating their own folder in BIM 360,” says Rafferty. “This has also improved accountability not only amongst our internal colleagues but also with our customers. The feedback from this client has been excellent.”

The client has been impressed with the ease of use and the extra layers of transparency provided by the tool. In BIM 360, they can see everything happening and even which particular team members have made comments or additions. There is never any confusion about the direction or status of the project.

There are few as complex and globally impactful as oil and gas projects. Companies like Influit rely on BIM 360 for document management to ensure safety, time and cost savings. Along the way, they build trust, deliver quality results, and establish their reputation as a leading global provider of oilfield construction services.

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