

# 3D Modeling – Pilot Plant for a UK based University

## Key Features

#### Technology:

Intergraph CADWorx

Autodesk Navisworks

#### **Duration:**

The project was completed in 1 month

#### **Deliverables:**

1. 3D Model

## The Client

A UK based engineering company specializing in delivering turnkey solutions to industry and academia. They also supply bespoke laboratory-scale equipment, skid mounted rigs and pilot plants used for research and development, process scale-up or production purposes.

## The Business Need

The client required 3D model of a pilot plant that would serve as a training rig for undergraduate students in the university. The client also required support to undertake the 3D model including a continuous agitated reactor, coarse and fine filtration units, carbon dioxide absorption and heat recovery units.

## **Rishabh's Solution**

Rishabh Engineering was appointed to deliver the 3D modeling for the pilot plant in a span of 1 month. The following equipment were modeled as a part of the project:

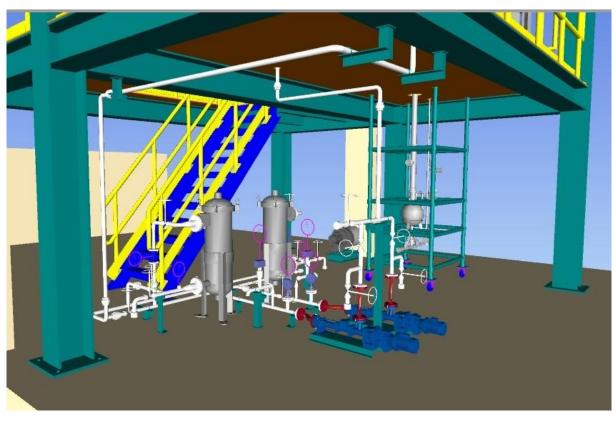
- Screw Pump
- > BAG Filter
- Scrubber Unit
- > Agitator
- Heat Exchanger
- Header Tank
- Insulated Cylinder

ASME B<sub>31.3</sub> codes and standards were followed to deliver high quality in <sub>3</sub>D modeling.

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3D Modeling – Pilot Plant



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## Technology Used

- > 3D modeling software Intergraph CADWorx 2015
- > Review Software- Autodesk Navisworks

### **Key Deliverables**

- ► Intelligent 3D Model
- 3D model included a continuous agitated reactor, coarse and fine filtration units, carbon dioxide absorption and heat recovery units.

#### **Contact Details**

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#### **About Rishabh Engineering**

Rishabh Engineering provides multidisciplinary engineering support services to EPC companies in industries like Oil and Gas, Petrochemical, Power and Water treatment. Our parent company, Rishabh Software is a CMMI level-3, ISOgoo1 and ISO27001 company that provides services in Software Development, Business Process Outsourcing (BPO) and Engineering Services Outsourcing (ESO) to clients globally. Rishabh has offices in USA, UK and India with their main delivery center in Vadodara, India.

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