



# Vertex

## Engineers and Consultants

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[LinkedIn](#)

# Introduction

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Vertex is an engineering services company.

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We specialize in providing high-quality engineering support solutions to EPC Companies.

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We serve across various sectors, including Oil & Gas, Petrochemicals, Power, Water and Fertilizers industries.

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At Vertex, we prioritize cost-effectiveness, flexibility, and productivity, using value engineering principles and advanced technologies to optimize design and engineering timelines.

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We are committed to providing tailored solutions that ensure precision, safety, environmental sustainability, and exceptional value.



## Areas of Services

- Oil and Gas
- Refineries
- Petrochemicals
- Chemical
- Power
- Water

## Engineering Services

- Detailed Engineering
- Pipeline
- Piping
- Civil & Structural
- Electrical & Instrumentation



# Pipeline

Pipeline alignment sheets

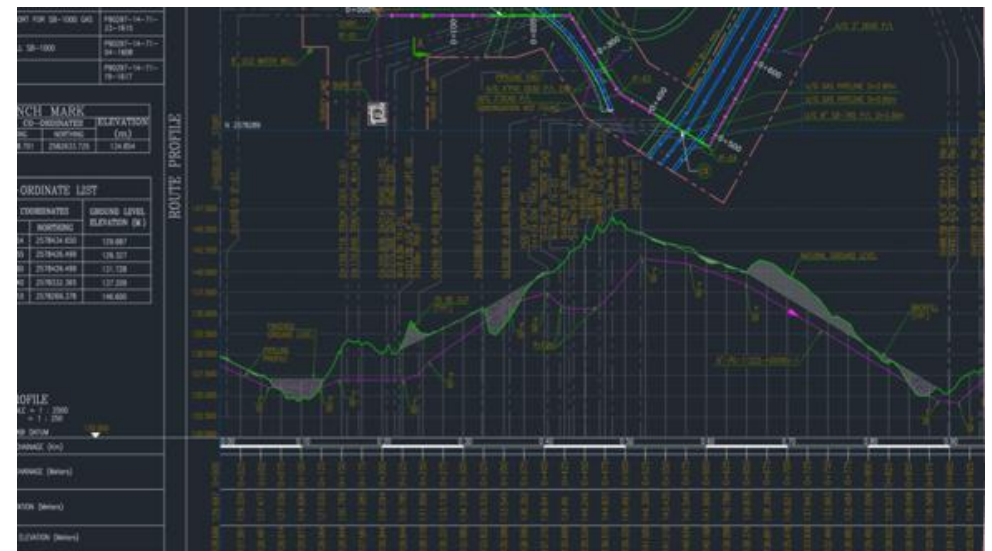
Pipeline Route Maps

Crossing details drawings

Station approach drawings

Pipeline typical standard drawings

Pipeline route in Google earth





# Pipeline

Block valve station drawings

Pipe bending drawings

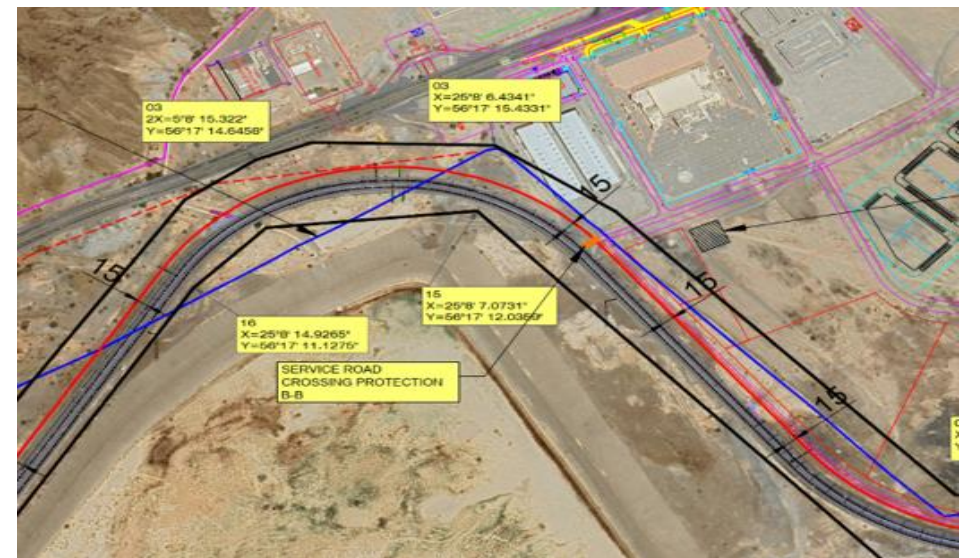
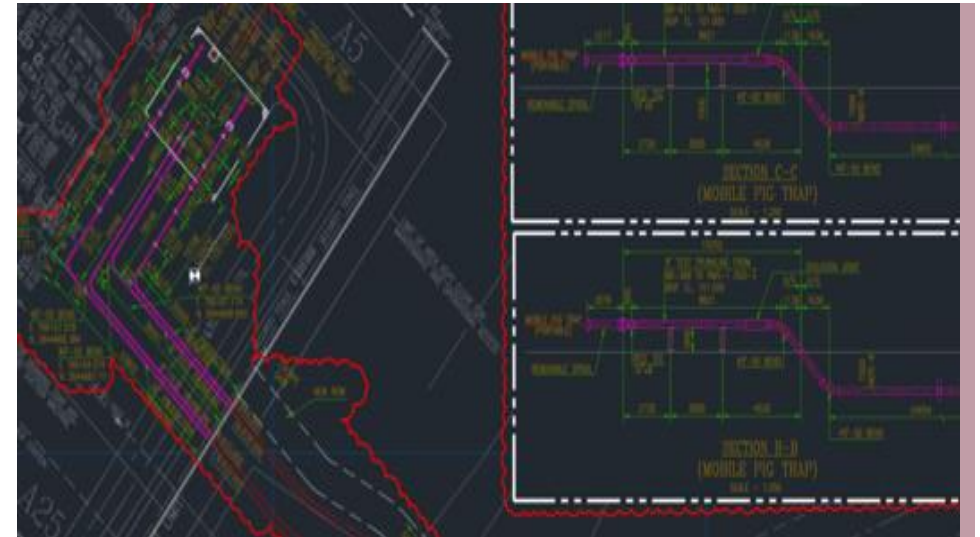
Various pipeline design calculations

Pipeline Stress Analysis

Material take-offs & Procurement Support

Row cut sheets for pipeline

Pipeline as-built drawings



# Piping

## Plot plan or Equipment Layout

## Piping route study and piping layout

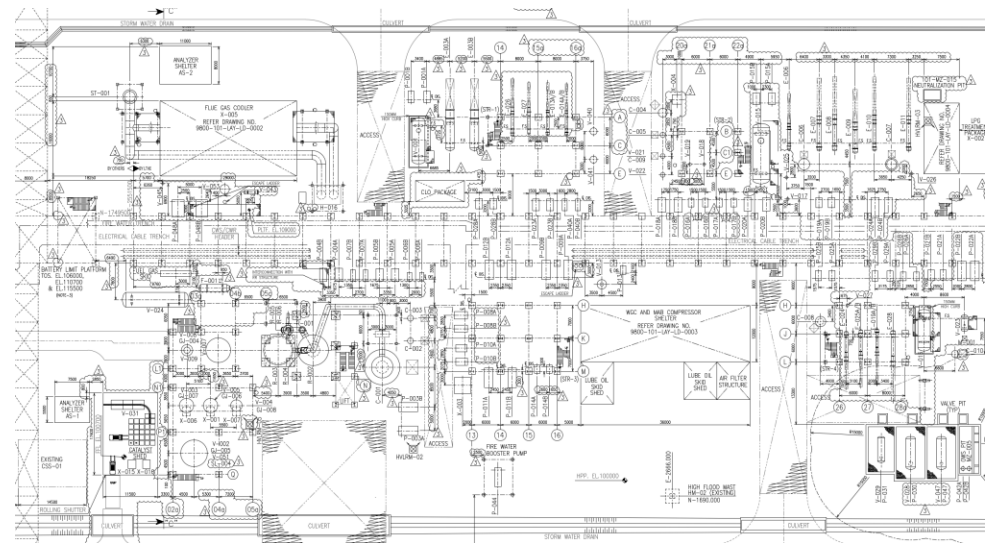
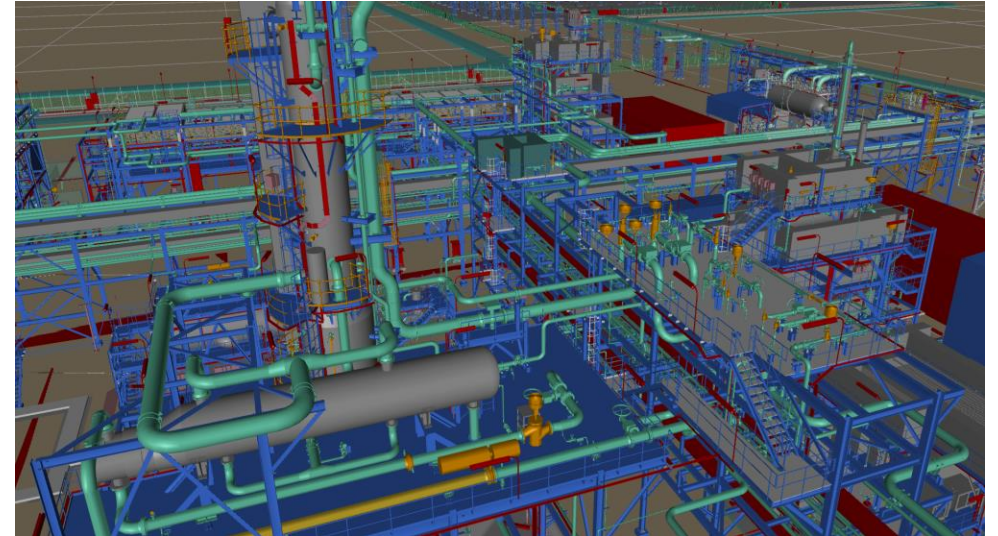
# Complete 3D Modelling

# Piping Stress Analysis

## Material take-offs & Procurement Support

## Various piping design calculations

# Lists and Schedules





# Piping

## General Arrangement Drawings (GAD)

## Nozzle Orientation Drawings

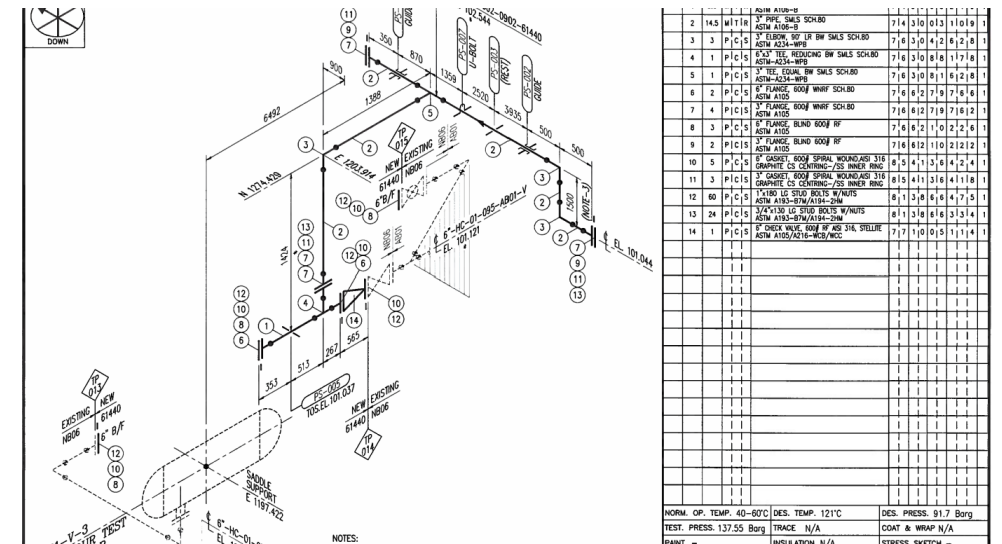
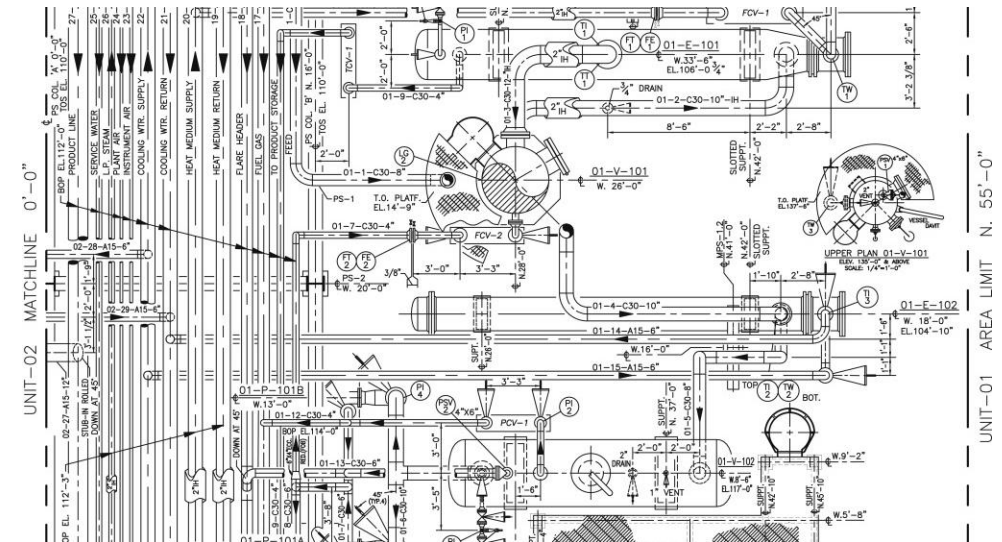
# Isometric Drawings

## Piping Tie-in schedule and drawings

# Demolition Drawings

## Piping as-built drawings

## Underground GA and Composite drawings



# Civil and Structural

Structural Steel Jackets-mooring, Loading Equipment

Lifting Analysis And Calculation

Bill Of Quantities (BOQ) bar Bending Schedule

Structural Detail Drawings

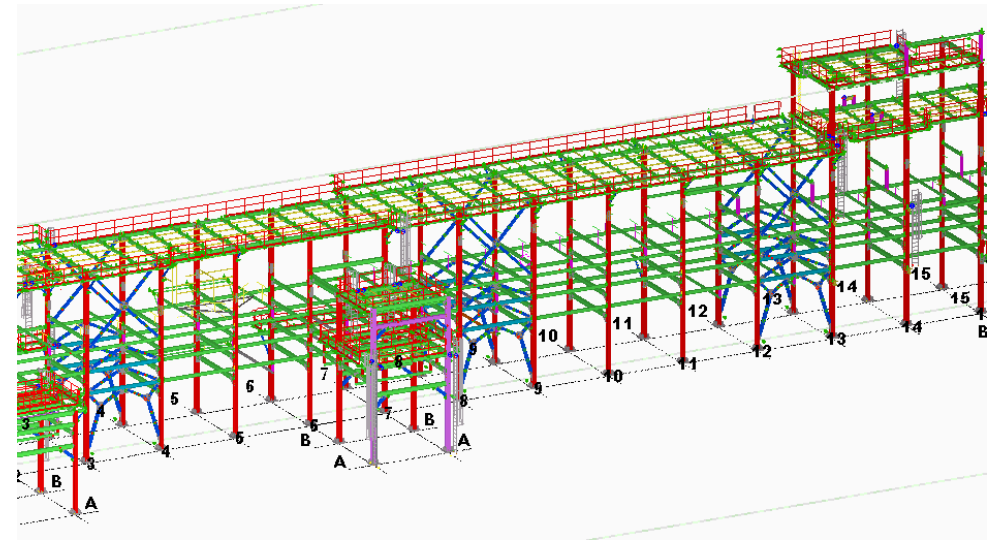
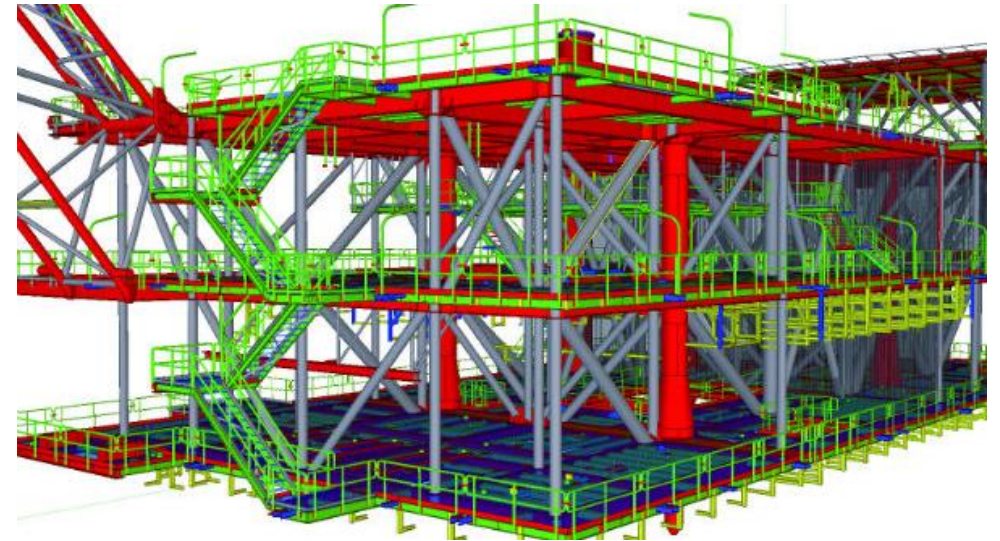
Structural GA Drawings

Civil Foundation Design

Civil Architectural Layouts

Blast Design Of Buildings

Structural Calculations & Analysis





# Electrical and Instrumentation

Load list / Power balance

Single Line diagrams

Specifications & datasheets

Cable schedules

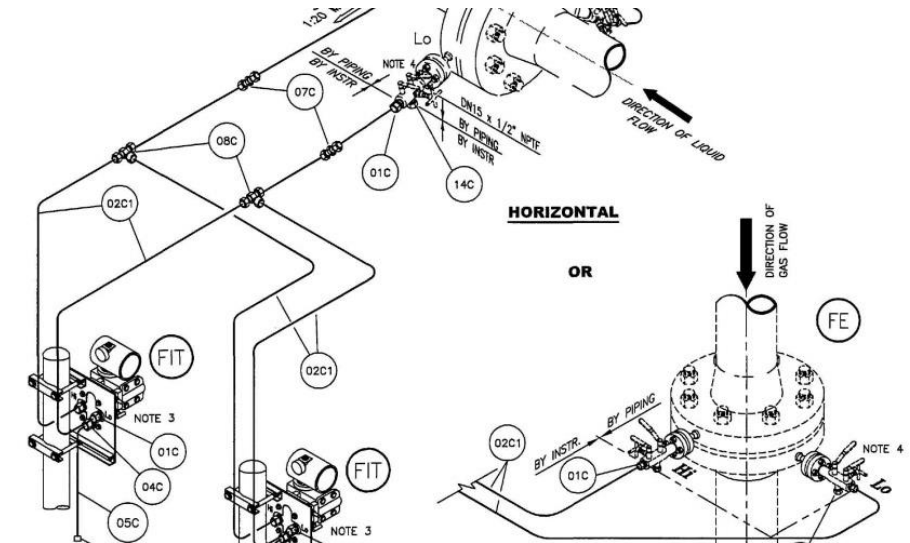
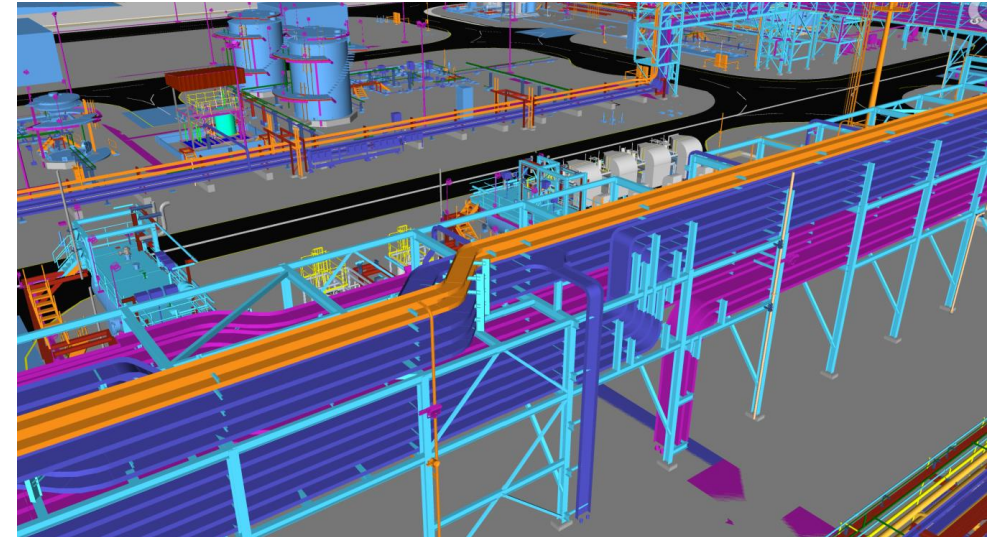
Instrumentation & I/O List

Layouts & Installation details

Hook-ups, Loops & JB termination

Substation & control room design

As-Built revision Drawings in to SPEL & SPI software



# Clients and Projects executed

## Saudi Aramco

- Jafurah Downstream Pipelines
- Master Gas System Expansion

## ADNOC

- East West Pipeline Project, BAB facilities upgrade project

## SEWA - Sharjah Electricity, Water and Gas Authority

- Relocation of Fujairah-Kalba CS Gas 10" Pipeline 4.20 km

## GAIL – Gas Authority of India Limited

- Barauni-Guwahati Pipeline Project

## NRL

- Paradip Numaligarh Crude Pipeline

## IOCL – Indian Oil Corporation Limited

- Kandala-Gorakhpur LPG Pipeline-18

## HPCL – Hindustan Petroleum Corporation Limited

- Hassan-Cherlapally LPG Pipeline Project



# Software Competency



# Thank you

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