



Enzyme Manufacturing Plant designed in CADISON®

No. of Pipelines: 2440
Duration: 75 days (10 weeks)

“We are impressed with the progress on this project using CADISON® software. Reports generated from CADISON® meets our expectations in terms of quality, timeliness and accuracy. Our engineering team is quite happy with the result and confident about extracting BOQ’s and Reports with ease as required in future, directly from live models created using CADISON® 3D. Before CADISON® all jobs were done in AutoCAD. We had to prepare each and every drawing & Bill of Quantity manually, resulting in productivity loss and excess inventory”.

***Prashant Patel, Sr. Manager Projects
 IDMC, Anand - India***

Project Details :

Inputs : Pipe specifications used - 2 (OD pipes - SS304, SS316L); Process P&ID; Equipment GA; Civil layout.

Deliverables extracted from P&ID : Pipeline list, Valve list, Equipment List, Misc-components list, Instrument Index.

Deliverables extracted from 3D : Equipment Piping, BOQ, Navisworks (Nwd) models, Isometrics, General Arrangement Drawings

Working in CADISON® : The project was executed by a team of 3 engineers who converted 15 nos. of P&ID into intelligent CADISON® P&ID’s and modeled 45 vessels in CADISON® 3D-Designer consisting of Fermenter’s ranging from 50liters to 30kiloliters, Probiotic vessels ranging from 50-3000 liters, Harvest vessel 60 Kiloliters, Nutrient Dosing Vessel ranging from 50 liters to 10 kiloliters, Media preparation vessel ranging from 1000 liters to10 kiloliters and 6 CIP Skids.

The equipment was placed in a floor plate of 30,000 sqft each in 3 floors (total 90,000sqft) including the Maintenance platforms. Final interconnected pipe routing, transfer line routing & cable & duct routing are in progress.



has emerged as a reliable supplier of equipments for Dairy, Fruit and Milk based beverages, Carbonated soft drinks, Raw fruit handling & Fruit pulp process, Pharmaceutical, Bio-technology and healthcare sectors.

IDMC also provides thermal management solutions covering Process industries including Dairy, Pharma, Beverages, Brewery, Fruits & Vegetables, Power plants, Airports, Steel plants & Shipyards. IDMC as a premium turnkey solution provides process solution along with Automation right up to installation & commissioning.