



NRISP TECHNOLOGIES LLP

AN ENGINEERING CONSULTANCY FIRM

It gives immense pleasure to introduce NRISP Technologies and brief introduction of its engineering service offerings.

NRISP provides Project engineering services which includes Mechanical, Piping, Civil & Structural, Electrical and Instrumentation for EPC companies and end users. NRISP provides cost effective qualitative services to many National & International Clients to help them to reduce their design lead time.

"An engineering consultancy company that gives strategic value to our customers"

Our mission is to deliver the best quality services on time, at competitive price to our clients.

Client rely on **NRISP** as it increases their long-term business success.

Through constant, dialogue with its customers helps to understand their requirements and offer them **NRISP**

Our professionals understand and appreciate the diversity involved in execution of global projects and have been

Due to our low overheads, horizontal organization structure, high caliber, and versatile staff we are able to offer our

Our list of customers include from various Industry sectors, National, Multi-National & foreign clients. customized solutions.

WE SERVE TO:

OIL AND GAS SECTOR
CHEMICAL SECTOR
PETROCHEMICAL SECTOR
STEEL SECTOR
WATER TREATMENT SECTOR
CEMENT PLANT SECTOR

OUR DIFFERENTIATORS:

QUALITY SERVICE ON TIME
GLOBAL EXECUTION EXPERIENCE
CLIENT CENTRIC APPROACH
QUICK ADAPTABILITY



CODE & STANDARDS

- ASME SEC. VIII DIV. 1, 2, PD 5500, EN-13445 for Pressure Vessels
- TEMA for Shell & Tube and Air cooled Heat Exchangers.
- API 620 & API 650 for Storage Tanks
- API, ANSI, BS & IS for Pumps
- ANSI B 31.1, 31.3, 31.4, 31.8 for various type of Industrial Piping
- UBC, NBC, AISC, BS, ASCE & IS for Civil & Structure.

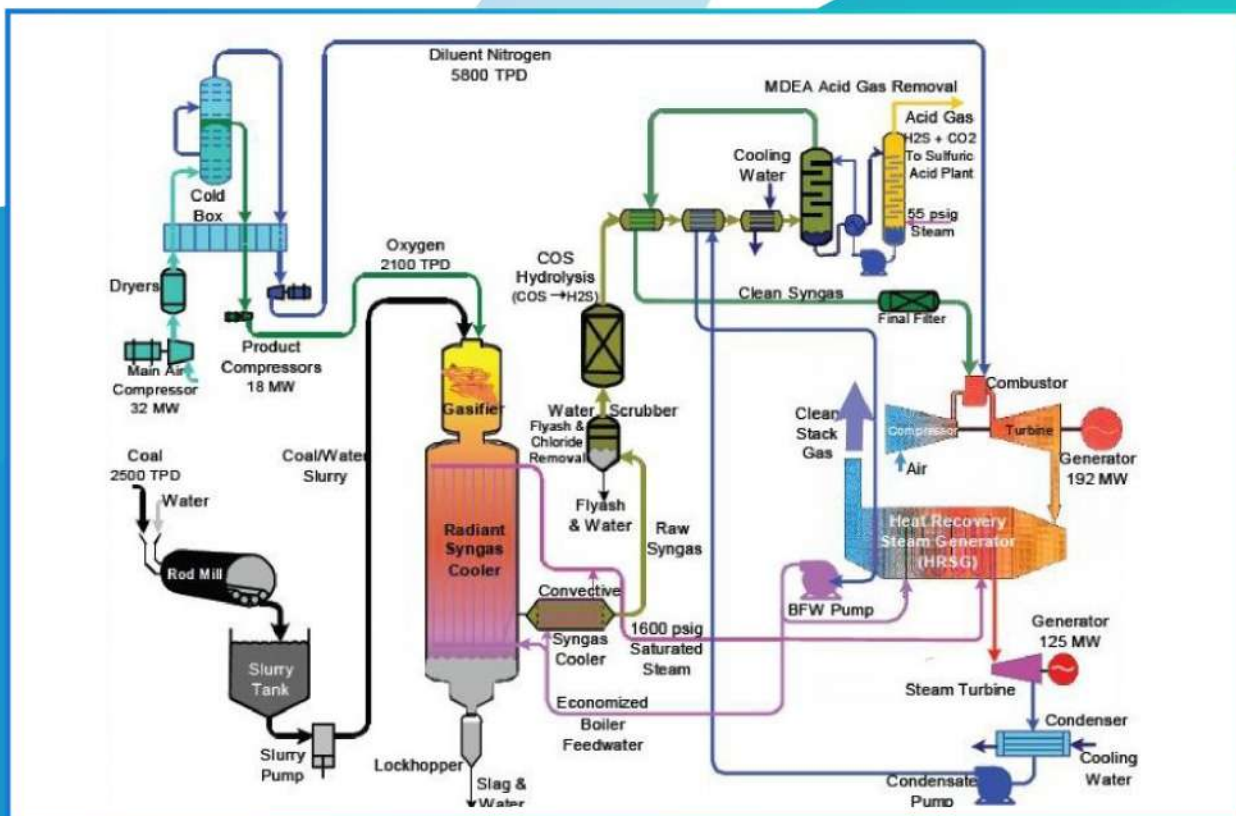
SOFTWARE'S

We have people who have experience working on different Engineering software like:

PV Elite	HYSYS
Nozzle Pro	HTRI
PDMS	PIPENET
CAESAR II	STAADPro
AutoCAD	PROSTEEL
ActCAD	TEKLA Model

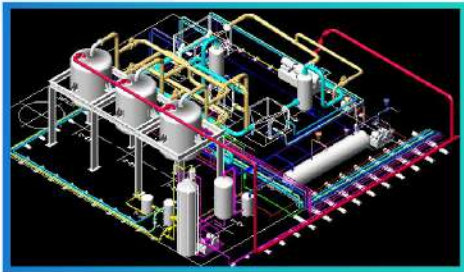
PROCESS

- P & ID DEVELOPMENT
- PROCESS DATA SHEET
- PRESSURE DROP CALCULATION
- PIPE LINE SIZING
- SIZING OF EQUIPMENT
- THERMAL DESIGN OF HEAT EXCHANGE
- RELIEF VALVE SIZING AS PER API 520
- VALVE SELECTION & SIZING
- FIRE FIGHTING SYSTEM DESIGN
- HAZOP STUDY



Mechanical

MECHANICAL DATASHEET PREPARATION
MATERIAL REQUISITION PREPARATION
TQ & TBE PREPARATION
3D MODELLING
VENDOR DOCUMENT REVIEW
MECHANICAL DESIGN CALCULATION
FEA ANALYSIS
DETAILED FABRICATION DRAWING PREPARATION
BILL OF MATERIAL (BOM) PREPARATION



PIPING

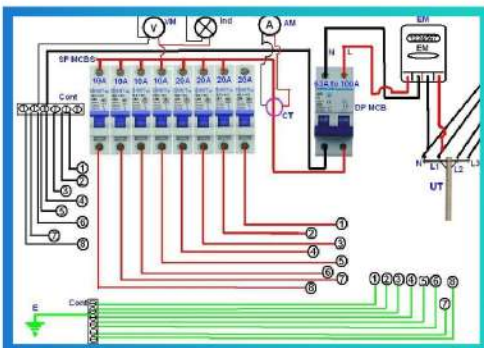
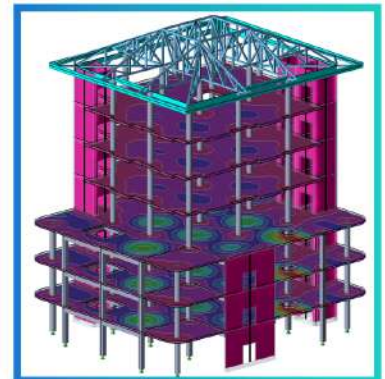
SPECIFICATION PREPARATION, 3D MODELLING,
PIPESIZING CALCULATION, DEVELOPMENT OF PLOT
PLAN, PIPE ROUTING, PIPING LAYOUT, PIPING GAD
PREPARATION, STRESS ANALYSIS

PIPE SUPPORT DESIGN AND DETAIL, PIPING ISOMET-
RIC PREPARATION, BILL OF MATERIAL, DUCTING,
FABRICATION PIPING DRAWING (PIPESPOOL)

CIVIL & STRUCTURE

FOUNDATION DESIGN, STRUCTURAL LOADING ANALYSIS, STRUC-
TURAL DESIGN, ENGINEERING OF SKIDS AND MODULAR STRUC-
TURES, LADDER AND PLATFORMS ANALYSIS AND DETAILED
FABRICATION DRAWING

STRUCTURAL 3-D MODELLING & DETAIL DESIGNING, STRUCTURE
FEA ANALYSIS AUTOMATED FABRICATION DRAWING AND MTO
GENERATION, RCC FOUNDATION DESIGN, WIND & SEISMIC
DESIGN CALCULATION



ELECTRICAL

HT & LT CONTROL PANEL & DISTRIBUTION BOARD
SUB-STATION DESIGN & ENGINEERING
LOAD CALCULATION
MOTOR SIZING
ILLUMINATION & LIGHTING SYSTEM
EARTHING SYSTEM DESIGN
CABLE SIZING, ROUTING & LAYOUT
DATASHEET PREPARATION & VENDOR
DOCUMENTS REVIEW

INSTRUMENTATION & CONTROL SYSTEM

FUNCTIONAL DESIGN BASIS
SIS DESIGN BASIS
FAT/SAT PROCEDURE
CONTROL ROOM LAYOUT & ARCHITECTURE
MCB LAYOUT
FTP & SYSTEM CABINET DESIGN
3RD PARTY INTERFACING
INSTRUMENT INDEX, CABLE SCHEDULE, JB
SCHEDULE, IO INDEX
INSTRUMENT SIZING
LOOP DIAGRAMS, HOOK UPS, LOCATION DIAGRAMS
ELECTRICAL - INSTRUMENTS INTERFACE DIAGRAM
DATASHEET PREPARATION & VENDOR DOCUMENTS
REVIEW.



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