

NEOCENT ENGINEERING Solutions

Our Superior Quality, Domain Knowledge and Effective Turnaround Experience
Helps Deliver Your projects on time.



Multi-discipline Engineering Services	Software Tools	Industry Standards
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Piping Pre-Bid Engineering Piping Material Specification 3D Modeling (Piping Routing & Layouts) Piping Stress Analysis Detail Drawings: GA, Iso's, Spool Drawing, Plot Plans Piping Support Design & Calculation MTO/BOM	PDMS PDS CADWORX AUTOPLANT CAESAR II NavisWorks Solid Works AutoCAD — Plant 3D	ASME B (31.1 31.3, 31.4, 31.8, 31.11) IS (1978-82, 3589-01) BS EN (13480, 14364) NORSOK UKOOA ISO 14692
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Equipment Equipment Data Sheets Design of Static & Rotating Equipment: Pressure calculations Design Validation Fatigue & Failure Analysis Load Calculations (WRC 107/537) for Equipment Nozzles 3D Modeling Equipment GA Layout, Fabrication, Pipe Support Clip & Assembly Drawing	Excel Based Calculation PIPENET PV Elite Ansys SolidWorks Inventor Nastran	ASME Section VIII Div. 1, 2 API (650, 620) BS 5500 TEMA
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Civil & Structural Foundations Design & Analysis (Static & Dynamic) PCC, Shuttering, Pile Layouts Foundation Layouts, Design Reports Guide Drawings, Concrete Standard Drawings Formworks and Detailed Civil drawings Excavation Back Filling Surplus drawings As-built drawings	Staad Pro V8i—Select Series V TEKLA PDMS AutoCAD Plant 3D Navisworks	AISI AI SC UBC IBC ASCE ACI BS IS
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Skid Package Design & Analysis

Services ranging from Pre-bid Engineering to As-build Documentation

Material Handling Equipment Design and Analysis Screw Conveyors Belt Conveyors Drag and Apron Feeders Hopper, Bins & Silos Bucket Elevators Double flap Damping valve and Slide Gates Chain Conveyors	AutoCAD 2D and 3D Solidworks Inventor NvaisWorks Tekla Structure ANSYS-FEA Nastran HyperMesh	CEMA As per Industry Requirements
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Industries Served

				
Refineries	Oil & Gas	Petrochemicals	Fertilizers	Chemical & Pharmaceuticals
				
Water & Waste Water Treatment	Power	Manufacturing	Telecom	Utility

Neocent provides detailed engineering services to EPC, EPCM, OEM, and PMC as long-term turnkey projects. Our EPCM services include Project Management, Feasibility Studies, Conceptual & Basic Engineering, Detailed Design, Procurement, Construction Management, Commissioning & Start-up, and Operations & Maintenance.

Our team is highly proficient with globally paramount engineering practice with industry codes & Standard, like ASME, BS, API, EuroCode, AISI, AISC, Saudi Aramco and more. We provide timely projects delivery with 24/7 Support to the customers that diligently meet their project goals and budgets.

Neocent Engineering Services At A Glance!

1.0 M



Man Hours of Project Execution Experience

100+



Successful Global Projects Execution Experience

8+



Years of Multi-Disciplinary Engineering & Design Experience

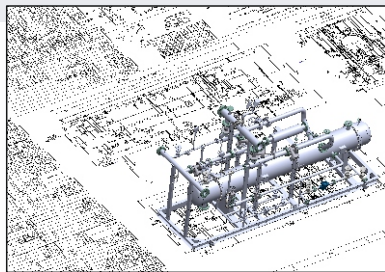
15+



Operating Countries

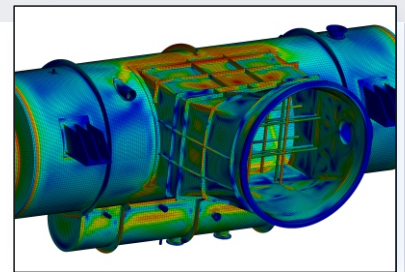
Detail Mechanical and Thermal Design Calculation for Water cooled Surface Condenser, Ejector vacuum skid, Inter-Connecting Piping and Heat Exchanger.

Detail Drawing including G.A Drawing, Fabrication and Assembly along with M.T.O.



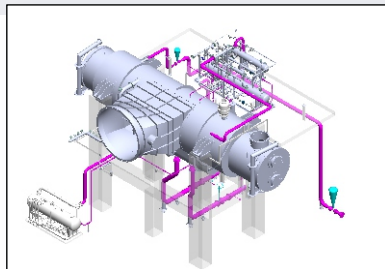
Detail Thermal and fatigue stress analysis for Surface condenser as per ASME Sec Viii Div 2,2019.

Lifting and Transportation Simulation, Support Leg thermal Stress Analysis and Hotwell fatigue Stress Analysis.



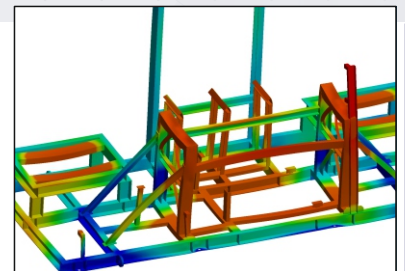
Accurate Conceptual 3D Model, Layout and MTO during FEL phase for a petrochemical plant from point cloud / Laser Scan.

Detail Equipment, Inter connecting Piping, Piping Support Structure, Skid etc.



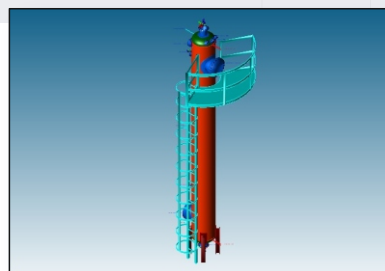
Detail Structure Stress Analysis on GSC skid structure with IBC 2015, ASCE 7-10, LFRD Load Combination.

Skid FEA with Operating Condition, Lifting and transportation condition stress analysis.



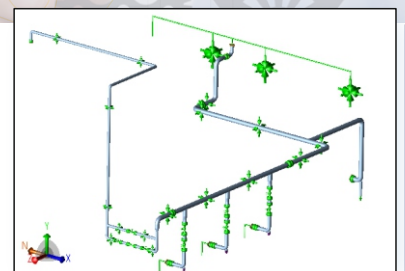
Mechanical Details calculation for Oil Gas Separator Vessel and Detail Validation calculation for U Stamp (ASME Sec viii, 2019).

Detail Pv-Elite Design Report, Excel based Manual calculation, Skid Structure Calculation etc.



Detail Piping Stress analysis on Pump discharge routing (Condenser-Vacuum Unit interconnecting pipe).

Piping Stress Analysis as per B31.3 process Piping, Equipment Nozzle WRC 107/297 FEA.





OUR VALUABLE CLIENT LIST



AND MANY MORE...

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