

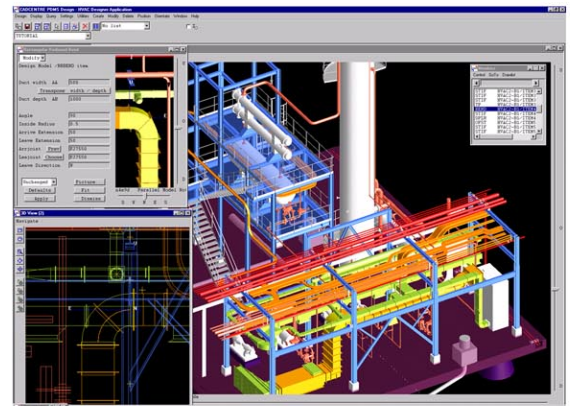
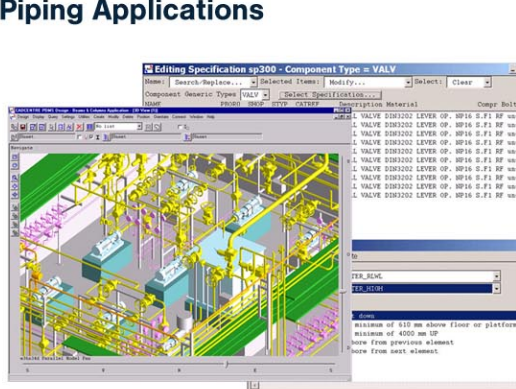
Engineering design for Process Plants

Oil & Gas • Petro-chemicals • Refineries • Chemical Plants



Cement Processing Plants • Fertilizer Plants • Pharmaceuticals

Piping Applications



ISO 9001

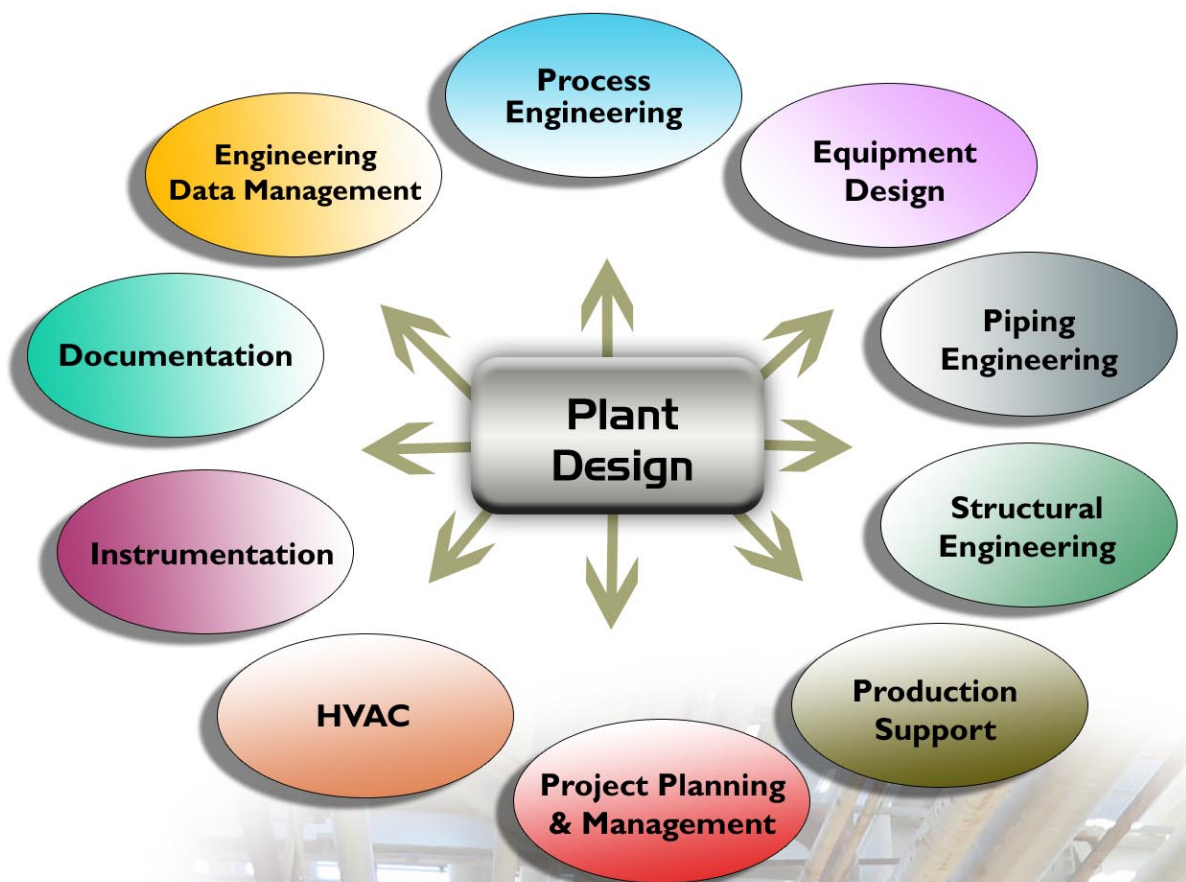
BUREAU VERITAS
Certification



Conceptia
SOFTWARE DEVELOPMENT & ENGINEERING SERVICES
Perfecting Service Practice

Innovative **Process Plant Engineering**

- Oil & Gas
- Petro-Chemicals
- Refineries
- Chemical Plants
- Power Plants
- Cement Processing Plants
- Pharmaceuticals
- Design & Detailed Engineering
- 3-D Modelling
- Procurement Support for Material Requisition.
- Project Management and Production Support
- As built Engineering or Review Engineering



Engineering Service in Plant Design

Piping

- Development of Machinery Layout
- Performing Technical feasibility studies and Piping Layouts
- Development of Piping Material Specifications
- Preparation of Equipment Selection
- Pipe Support Engineering for the pipes and Pipe racks
- Preparation of Production and Installation Drawings for the Plants
- Isometric Drawings generation through the Model
- Generation of Materials Take Offs (MTO) & Bill of Materials (BOMs)

Structurals

- Preparation of fabrication drawings for super structures for the plants.
- Preparation of Piperacks, Cable racks and Equipment racks.
- Preparation of support structures for Towers, Reactors and Furnaces
- Preparation of Accessways & ladders for Towers, Furnces & Reactors

HVAC

- Heat Load Calculations for the Plant
- Detailed Engineering Design for Air-conditioning of the Plant
- Development of Components fabrications for ducts and duct supports

Electricals

- Electrical Load Calculations & Developments for single Line diagrams for the Electrical Systems
- Development of Wiring Diagrams for the Equipments and connections
- Development of drawings for Cable tray supports

Project Management & Production Support

- Project Planning and Management for the execution of the projects
- Co-ordination with the client and owner for review of schedules and action plans



Extraction of Reports

- Equipment List / Nozzle List
- Pipe Line lists
- MTO (Piping) for Material Requisition
- Interference reports / Clash Detection List
- Catalogue Specifications for Piping / Structures
- Development / Upgradation of As built Drawings based on field markups

Codes & Standards

- API, ASME, OISD, OSHA, NFPA

Softwares Used

- PDMS
- Teamcenter
- Tribon
- Solidworks
- AutoCAD

The Conceptia Model



Our access to leading process technology licensors, concept to commissioning approach, quality-certified systems and ability to implement medium & small range projects concurrently, including revamps and re-starts, are amongst the factors that distinguish us as one of the leading design organisation.

As one of India's leading EPC contractors, we have designed and executed many projects. We skillfully bring together requisite resources, always maintaining an uncompromising focus on quality and safety. Setting high benchmarks for ourselves, we have consistently broken new ground.

Advantages with Conceptia

- Reduction in design cycle time
- Rapid response and reliable delivery - essential for time-critical projects
- Engineering solutions that are customized to meet clients' special needs, EPC standards and practices.
- Experienced team of specialists in Domains of piping-design, 3-D piperouting, preparation of BOM, production information, on-site support in Oil & Gas Refineries.
- Flexible delivery model including on-site and off-site working and strategic outsourcing partnership with leading Indian Shipyards and Process Plants.
- Commitment to consistent quality and security of commercially sensitive data
- Availability of a wide range of CAD/CAM tools and specialist softwares

About Conceptia

Conceptia designs and delivers IT enabled solutions that help engineering companies to win in the race to get their products to market faster. These solutions enable clients to differentiate themselves and gain operational superiority. Conceptia solutions are based on the wealth of information and expertise available to be leveraged by clients.

With Conceptia clients are assured of an efficient business partner with processes that help in delivering on-time always.

For more information, contact us:

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