



An ISO 9001:2015 Certified Company

Matrix Engineering (Pvt.) Ltd.

Serving With Excellence Since 2009

Engineering, Procurement, Construction & Commissioning



www.matrix.net.pk



Matrix Engineering (Pvt.) Ltd.

Introduction

Matrix Engineering (Pvt.) Ltd., today is well recognized as “Composite Engineering Solutions Provider” in all sectors of Industry. The Company has emerged with the concept of “One Window Operations” approach and earned a remarkable standing in the fields of;

Basic Design
Detailed Engineering
Manufacturing / Fabrication
Erection & Installation
Piping & Steel Structure

Technical Consultancy
Repair & Maintenance
Electrification & Instrumentation
Plant Services & Turn Around jobs
Engineering, Procurement & Construction

Group Companies



Matrix Engineering (Pvt.) Ltd.

TICS (PRIVATE) LIMITED

United Trading Corporation

Foreign Business Partners



ERENSAN is part of GROUPE ATLANTIC (France) based in Turkiye, specialized in manufacturing of Hot Water Boilers, Steam Boilers, Biomass Boilers, WHR Boilers and Thermal Oil Boilers.

Matrix is Authorized Representative for sale of ERENSAN products in Punjab & KPK (Pakistan).





Matrix Engineering (Pvt.) Ltd.

History

Matrix Engineering was established in 2009 by a team of Professional Engineers possessing decades of experience in Process, Chemical, Engineering, Manufacturing & Construction industries of Pakistan.

With the patronage of experienced management and talented professionals, Matrix Engineering has all the elements including human resource, management system, technology and financial strength to become a leading service provider and value added manufacturer in the region.

Matrix Engineering is now one of the known Engineering Solution Providers of Pakistan and offering its Products & Services to National and Multinational Customers worldwide.

Vision

We endeavor to become a world class Engineering, Manufacturing and Construction Company operating on internationally recognized standards.

Company Statement

Matrix Engineering is committed to operate as Strategic Partner for supply of Engineering Products & Services needed to its customers. To achieve this commitment an experienced management setup is fashioned with the determination of continual improvement philosophy, where customer needs are critically analyzed & optimal solutions are offered in a cost-effective manner complying with International Quality & HSE standards.





Matrix Engineering (Pvt.) Ltd.

Manufacturing

Matrix Engineering has its own manufacturing facility spread over 10,000 M² area, located at Sundar Industrial Estate Lahore, Pakistan. Manufacturing facility is equipped with all kind of Tools, Plant & Machinery to cater heavy and light manufacturing in a wide range of materials including Carbon Steel, Stainless Steel and Alloy Steel. Skilled manpower transforms the engineering design to finished products with the help of allocated resources under the supervision of experienced management.

Activities carried out at Manufacturing Facility;

Automatic Gas Cutting	Laser Welding
Plasma Cutting	Orbital Welding
Plate Rolling	Dish Head Forming
Plate Bending	Machining & Drilling
Pipe Bending & Rolling	Sandblasting & Painting
Tube Bending & Rolling	Polishing & Passivation
Section Bending & Rolling	Cladding & Weld Overlays
Manual Welding	Pressure & Vacuum Testing
Automatic Welding	Electrification & Instrumentation

Production Planning & Control (PPC) department plays vital role for timely completion of Projects. PPC department prepare & implement production plans, closely monitor these plans and take necessary measures to remove bottlenecks by allocating factual resources as per requirement.

Finally, these plans are analyzed by comparing budgeted man-hours, materials & consumables against actual consumption as a part of continual improvement.

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Matrix Engineering (Pvt.) Ltd.

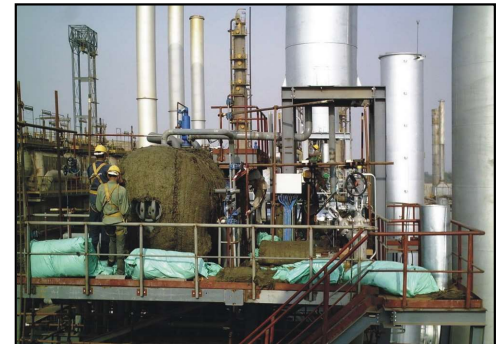
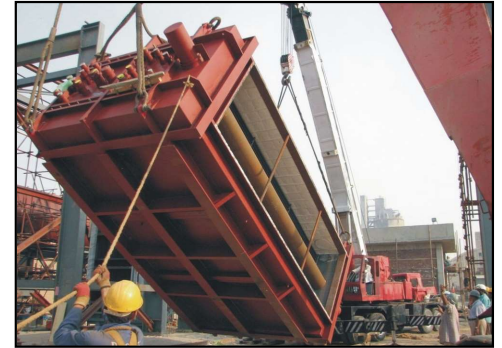
Installation, Erection & Commissioning

Extending its operations to plant installation, erection & commissioning Matrix Engineering has completed a number of EPC projects up till now and well appreciated by local as well as multinational customers. In order to ensure firm control on productivity, progress, efficiency and cost, Matrix Engineering utilizes integrated project management system which enables us to have a strong focus on efficient utilization of manpower and equipment to complete the project in time within budgeted cost and specified quality & safety parameters.

The services include;

Installation of Plant Equipment
Fabrication & Installation of Piping
Fabrication of Storage Tanks & Silos
Fabrication of Ducts, Hoppers & Stacks
Fabrication & Erection of Steel Structure

Insulation & Cladding
Sandblasting & Painting
Pressure & Vacuum Testing
Electrification & Instrumentation
Commissioning of Plant Equipment





Matrix Engineering (Pvt.) Ltd.

Quality Assurance & Quality Control;

Our Quality Management System is governed by an internationally recognized ISO 9001:2015 standard which is certified by PQAL of UK. At Matrix Engineering Implementation of Quality Management System assures quality at each stage of Design, Planning, Fabrication, Erection, Installation & Commissioning and is comprises of;

Quality Policy
Quality Manual
Quality Procedures

Quality Plans
Quality Records
Work Instructions

Matrix Engineering recognizes the importance of Quality Assurance & Quality Control at all levels within the organization, that's why all activities are documented, traceable and regularly monitored for compliance to International Standards. Quality Assurance for us is not only a term used to represent inspection of a part or product but it's a commitment with our customers to provide them best products and services which meet their ultimate needs and even exceed their expectations.

NDE Services;

Matrix Engineering has a fully equipped NDE Setup, where following Non-Destructive Tests are carried out as per requirements of applicable Codes our services include;

UT - Ultrasonic Testing
BE - Boroscopic Examination

DPT - Dye Penetration Testing
MPT - Magnetic Particle Testing





Matrix Engineering (Pvt.) Ltd.

Design & Engineering

Matrix Engineering has an established in-house Design & Engineering section fully equipped to perform the activities from concept to tangibles by using international design codes; ASME, ASTM, ANSI, API, EN, AWS, AISC, TEMA, ADR, JIS etc..

The design team has extensive experience of using following design software's to produce accurate specifications and drawings that meet international codes & standards;

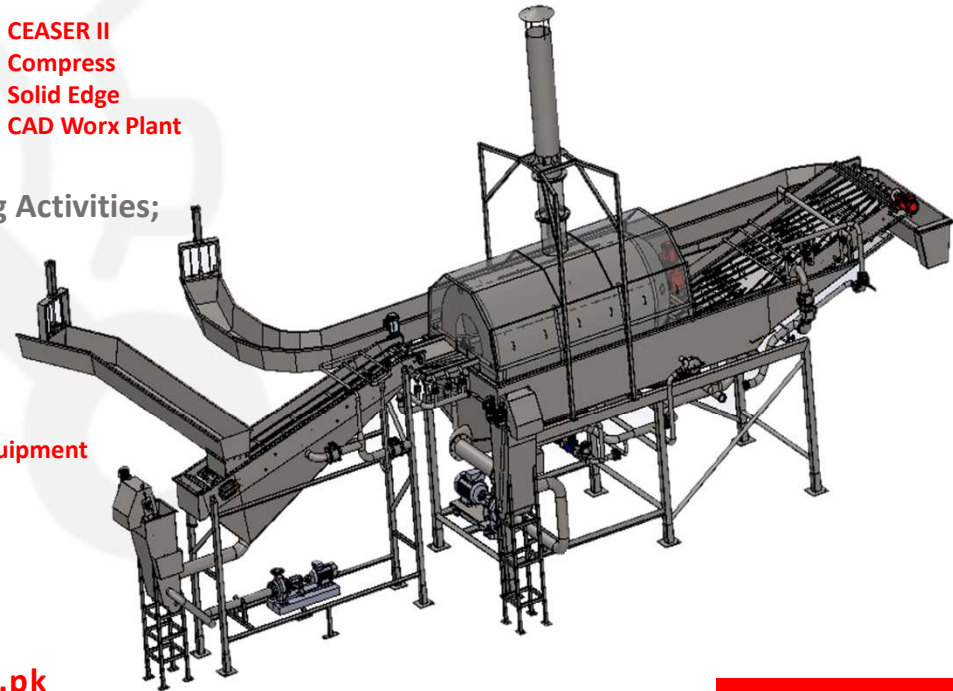
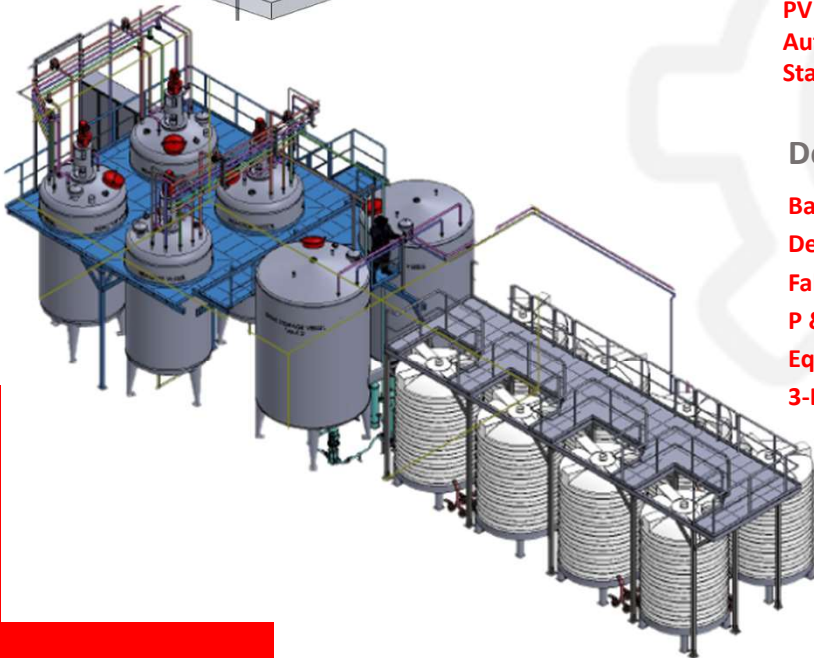
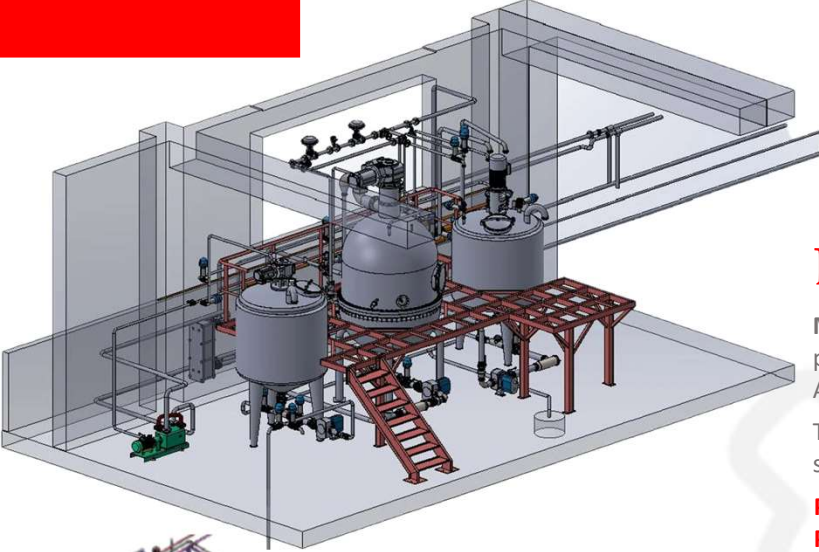
PDMS
PV Elite
AutoCAD
Staad Pro

CEASER II
Compress
Solid Edge
CAD Worx Plant

Design & Engineering Activities;

- Basic Design**
- Detailed Engineering**
- Fabrication Drawings**
- P & ID Development**
- Equipment Specifications**
- 3-D Modeling of Plant & Equipment**

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Matrix Engineering (Pvt.) Ltd.

Business Areas & Products

Process & Chemical:

- Pressure Vessels
- Heat Exchangers
- Storage Tanks
- Reactors
- Steel Structure
- Ducts & Hoppers
- Columns & Towers
- Process & Utility Piping

Oil & Gas:

- LPG Bullets
- LPG Bowsers
- Fuel Bowsers
- Storage Tanks
- Pressure Vessels
- Steel Structure
- Filter Separators
- Heat Exchangers
- Columns & Towers
- Process & Utility Piping

Pharmaceutical:

- Reactors
- Autoclaves
- Storage Tanks
- Homogenizers
- Process Vessels
- Mixing Pans / Tanks
- Steel Structure
- Flow Divert Panels
- SS Grating & Platforms
- Process & Utility Piping
- Screw & Belt Conveyors
- Powder Mixers / Blenders

Dairy, Food & Beverages:

- Milk Silos
- Mixing Tanks
- Storage Tanks
- Powder Mixers
- Vacuum Kettles
- Heat Exchangers
- Road Milk Tankers
- Blanchers
- Valve Clusters
- Steel Structure
- Flow Divert Panels
- In-line Product Filters
- Screw & Belt Conveyors
- Hygienic & Utility Piping





Matrix Engineering (Pvt.) Ltd.

Power Generation:

- Fired Steam Boilers
- WHR Steam Boilers
- Pressure Vessels
- Heat Exchangers
- Storage Tanks
- Economizers
- Super Heaters
- Steel Structure
- Flue Ducts & Stacks
- Process & Utility Piping

Paper & Board:

- Pressure Vessels
- Storage Tanks
- Mixing Tanks
- Digesters
- Cyclones
- Rotary Valves
- Insulated Hoods
- Ducts & Hoppers
- Process & Utility Piping
- Heat Recovery Systems

Textile:

- Fired Steam Boilers
- WHR Steam Boilers
- Heat Exchangers
- Storage Tanks
- Air Receivers
- Hot Water Generators
- Flue Ducts & Stacks
- Steel Structure
- Economizers
- Utility Piping

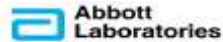
Mics. & Customized:

- Fryma Mixers
- Lump Crushers
- 3-Way Dampers
- Cargo / Passenger Lifts
- Dumping Station
- Can Handling Equipment
- Integrated Conveyor Systems
- Bulk Bag Handling Equipment





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PTB FOODS COMPANY (PVT.) LIMITED



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Orient Energy Systems (Pvt.) Ltd.



Auw INTERNATIONAL ENTERPRISES





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