



MATRIX PDM
ENGINEERING

ENGINEER LED EPC SERVICES

Matrix PDM Engineering can deliver EPC projects under multiple project methodologies. Our team can lead an engineer-led EPC project or act as a team member from multidiscipline design to design-supply or EPCM delivery.

Matrix PDM takes a flexible approach in order to match the needs of the client and the strengths of the project team. We have established relationships with major vendors and union and non-union construction partners that allow us to assemble project teams whose strengths and abilities are well suited to the unique project requirements, whether it is a specific scope of supply, a particular industry, or a region of the country.

Matrix PDM provides complete EPC project solutions for clients and delivers tailored services based on individual client and project needs.

A HIGHER STANDARD IN ENGINEERING.

In-house engineering and design

Our engineering and design teams encompass all disciplines as well as Control Systems Integration. We utilize our in-house engineering and 3D design encompassing all project execution aspects from process simulation and design, plot plan development, site preparation, piling and foundations development, equipment design and specification, instrumentation sizing and specification, electrical engineering design and specification, process controls, to piping design and overall system layout.

Our 3D engineering and design services provide better project understanding and visualization of the overall design. Design reviews allow the client to explore the model in 3D to review access, clearance, operability, and maintainability throughout the design process.

Process expertise

Matrix PDM Engineering delivers EPC solutions for numerous industries. We are able to use our process expertise in sulfur melting, prilling, and purification; natural gas processing and compression; hydrocarbon liquid treating and processing, and liquid and dry bulk material handling and storage.

Pre-fabricated off-site construction

By executing our approach, Matrix PDM is able to reduce risks, costs, and improve schedules with fewer deviations. This method accelerates the project schedule by allowing construction in the field to occur at the same time modules are being fabricated, which also improves quality and safety by reducing the amount of on-site construction. A consistent workforce in a controlled fabrication environment drives quality and minimizes schedule risk.

Construction

At Matrix PDM Engineering, safety comes first and we provide quality always. We do this with our construction team lead by professionals working as general contractors in a wide range of industries. We combine our team of specialty contractors and partners with our in-house safety, construction, quality, and commissioning teams. We also have the ability to leverage client preferred, local subcontractors, to bring our clients a seamlessly integrated team. We safely and successfully executed and have overseen projects exceeding 300,000 construction man-hours.

Commissioning and start-up

Matrix PDM Engineering works with our clients, vendors, and construction contractors to develop detailed start-up and commissioning plans for every project. From equipment installation verification, instrument calibration, control system checks out, and dry and wet testing procedures to production ramp up, we work with our clients to address every step of the commissioning process. We have seen how providing advanced training of operations and maintenance staff enables them to assist with the commissioning process and more quickly learn to operate their systems in a safe and reliable manner.



For more information
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