UOP MODULAR TECHNOLOGY SOLUTION

Reduce project risks and take control of your project costs

SCOPE

UOP supplies many of its process technologies as modular units. The modules are fabricated to the greatest extent possible; trial fitted at the fabrication shop, and pre-tested. They include all the piping, vessels, heat exchangers, rotating equipment, instrumentation, and electrical for the process unit. They are shipped along with stand-alone Equipment if any, and interconnecting materials. UOP Modular units are praised for their quality, easy and quick installation at the customer's site.

Here is a non-exhaustive list of the UOP technologies delivered as modular units: Naphtha Hydrotreating (NHT), Isomerization (Butamer™, Penex™ and Par-Isom™), FB Platforming™, Merox™ processes, CCR Platforming Regenerators; Oleflex™ CCR Regenerators, RecoveryMax™ Systems, Olefin Removal Process, Separex™ and Ecofining™.

The UOP modular technology solution provides a dependable, high-quality, and cost-competitive unit delivered at a fixed price and schedule

BENEFITS

Minimize project risk and execution time

A primary objective of UOP modular fabrication is to deliver a competitive process unit at a fixed price and schedule. This minimizes the overall project risk and maximizes our customers' return on investment by providing units on-stream, on time and on budget. Overall project execution time is reduced by completing the unit fabrication at the same time as unit site preparation. This can only be accommodated with a modular project implementation approach.

Quality controlled for project duration

UOP utilizes ISO 9001:2008 certified processes and procedures for supplying modular process units. The unit is fabricated in a controlled shop environment where working conditions are optimal and shop supervision time can be as much as 25 percent less than that required for conventional field erection. Additionally, customers benefit from having UOP inspectors, technical service engineers, and UOP experts from various disciplines perform comprehensive process and mechanical inspections throughout the project.

Reduced on-site scope of work

The UOP modular technology solution reduces the amount of valuable warehousing space, construction waste and labor required for on-site installation. Once the fabricated modules are ready for field installation, the labor force required for installation does not need to be highly trained, because the majority of the skilled work has already been completed prior to shipment. Typically, installation of unit modules can take place within several days, with the remaining piping, electrical, and instrument tie-ins completed within weeks after that. As a result, overall disruption to existing plant operations or other site activities is minimized.

FEATURES

- Customization to meet client specifications
- Complete technology solution from engineering to modular delivery
- Quick construction and installation for faster start-up
- Proven designs and superior quality control
- Single point of accountability for performance guarantees and mechanical warranty
- Optimized accessibility for safe and efficient operation and maintenance
- Expert consulting with UOP on entire configuration and project

EXPERIENCE

UOP modular technology captures our experience gained throughout the past century. We have engineered, started up and maintained thousands of licensed process units. UOP has engineered and delivered more than 1,800 modular process units worldwide. UOP experience helps to ensure process integrity, smooth startup and reliable operation throughout the entire project life cycle.

For more information
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