



REFINING

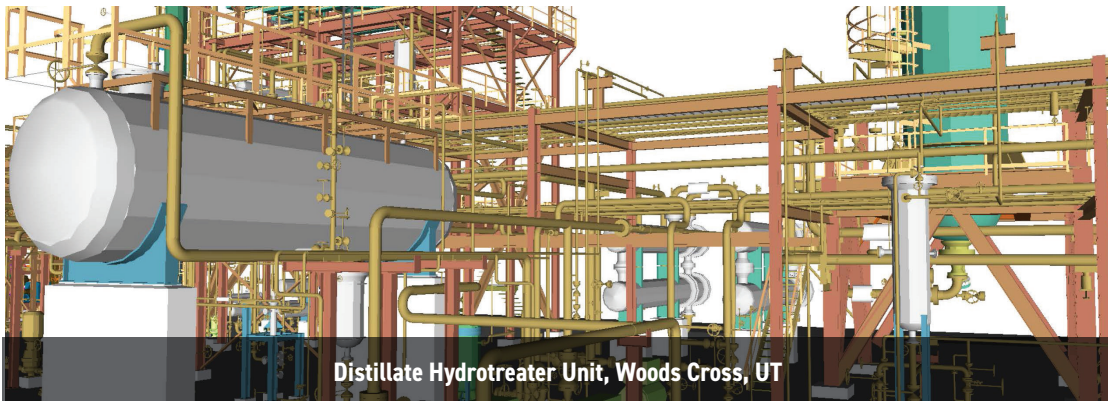
Engineering | Architecture | Construction Management | Design-Build | Surveying



MERRICK®



www.merrick.com



Distillate Hydrotreater Unit, Woods Cross, UT

Helping Refineries Execute Optimal Projects

Merrick works closely with our refinery clients on projects ranging from new construction to renovation of existing facilities and everything in between. Our downstream services include:

- Project evaluation and development
- Process simulation and optimization
- Process licensor selection support
- Utility system studies
- HAZOPS facilitation, PHAs and PSM support
- LiDAR Scanning and 3D Modeling
- PHAs and PSM support
- Full scope design
- Procurement
- Construction management services
- Fully integrated EPCM

We have a long association with many refinery

clients CHS, Delek, HollyFrontier Refining, Sinclair Oil, Suncor, and Calumet Refining.



**EMPLOYEE
OWNED
SINCE 1955**



Diesel Hydrotreater Revamp EPC, Tulsa, OK



Merrick understands the challenges our refining clients face with the growing demand for ultra-clean products, the need for compliance with new government mandates, highly volatile energy prices, and the continual challenge of executing cost-effective projects. We respond to these needs while maintaining existing unit operations and limiting refinery downtime to maximize profitability.

Many of our projects are revamps or debottleneck of units that have resulted in short-term payouts and improvements to profitability. We approach every project in alignment with our client's goals—lowering operating costs, increasing production, and/or meeting regulatory requirements. Merrick understands the challenges in re-use of equipment and the special needs of revamp projects, all with consideration for constraints for compressed turnaround schedules while maintaining ongoing operations.



Crude Unit #2 Retrofit, Great Falls, MT

Merrick has your projects covered from conception through operations.

Project Development

- Strategic Planning
- Feasibility and Conceptual Studies
- Front End Loading (FEL) and Front End Engineering and Design (FEED)
- Process Modeling
- Preconstruction Planning and Estimating
- Value Engineering
- Survey

Project Engineering

- Full Disciplinary Detail Engineering
- Procurement Services
- 3-D Laser Scanning
- Hazop Facilitation
- Major Vendor Coordination
- Preconstruction Planning and Estimating

Project Construction

- Sub-Contract Administration
- EPCM Execution
- Construction Management
- Quality Assurance
- Materials Receipt/Warehousing
- Shop Inspections
- Expediting

Operation Support

- Loop Check, Commissioning and Startup
- Reliability Assessments and Recommendations
- Capital Budget Administration
- Turnaround Planning
- Onsite Staff
- Process Change Management
- Utility Optimization

MERRICK BY THE NUMBERS



FOUNDED
in **1955**



EMPLOYEES
1100+

28

OFFICES in

3

COUNTRIES

100% 
EMPLOYEE
OWNED



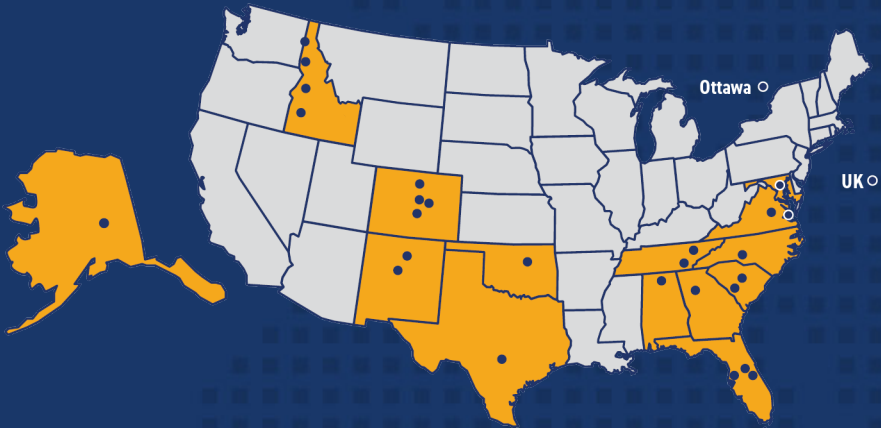
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CONTINENTS
worked on

At Merrick, we deliver optimal projects for our clients, while putting safety first.

Safety is our top priority, and we do everything we can to ensure the health and safety of our employees and our client's employees and facilities.

LOCATIONS





Merrick & Company Corporate Headquarters

8051 E. Maplewood Ave., Suite 300

Greenwood Village, CO 80111

+1 303-751-0741 | hello@merrick.com

Bob Perry, VP Strategic Programs | +1 918-408-1817 | bob.perry@merrick.com

www.merrick.com