

Refractory Services

Delivering Results for Over a Quarter Century



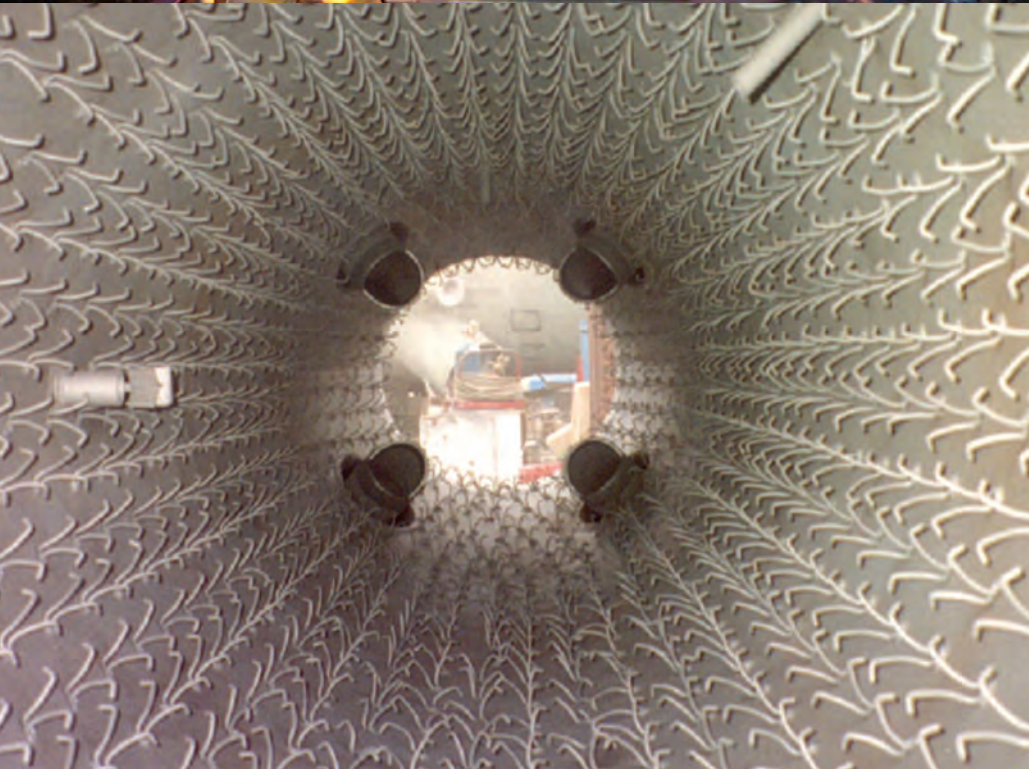
INTRODUCTION

Brand Energy & Infrastructure Services provides clients with more than 34 years of unmatched refractory installation experience, via its subsidiary company, Industrial Specialists, LLC. With an average of 15 years of craft experience and API Standard 936 certification, our 600-plus refractory specialists and supervisors are experts in all phases of refractory construction including: turnarounds, major revamps, maintenance, and new construction projects. We also deliver award winning safety performance and unparalleled quality assurance and quality control programs.

Through planning, quick response and thorough cost control Brand consistently delivers successful and safe refractory projects ranging from 500 to 100,000-plus man-hours. Our refractory services' experience and reputation are exemplified by the astounding more than 50 FCCU refractory projects that we have successfully completed in the last six years. Beyond our FCCU experience, Brand also has superior capability in servicing Reformers, Hydrocrackers, Crude Units, Thermal Reactors, Sulfur Recovery Units and Boiler Units.

Refractory Service Offerings

- Demolition of existing linings
- Surface preparation
- Anchor system welding
- Pneumatic "gunited" linings
- Vibration cast linings
- Rammed linings
- Fireproofing
- Pre-Fabricated shapes
- Ceramic fiber linings (blanket and modules)
- Shop and field installation
- Unprecedented QA/QC program



CASE STUDIES

VALERO ST. CHARLES REFINERY

Norco, Louisiana

Valero Refining, North America's largest refiner, recently entrusted Brand to provide the refractory services needed for their Fluid Catalytic Cracking Unit (FCCU) turnaround at their St. Charles, Louisiana Refinery. In less than 33 days, we mobilized 145 refractory specialists and repaired and replaced over 20,000 square feet of refractory. We completed the project with over 57,000 man-hours and no OSHA Recordable Incidents.

Turnaround Planning Superintendent

"Brand's supervision was a key element for maintaining schedule in difficult working conditions, which allowed the refinery to return to production within the scheduled time. Thank you for a total team effort."

MOTIVA ENTERPRISES LLC

Southeastern United States

When the Motiva Convent Refinery began a major turnaround on its 92,000 BPD Fluid Catalytic Cracking Unit (FCCU), they trusted Brand to deliver first class refractory services. The project consisted of all of the capital project refractory work, in addition to planned and unplanned refractory maintenance and repairs. Based on our performance in schedule-compliance and our delivering superior safety results, we were given the opportunity to provide additional services on the project; demonstrating our ability to successfully deliver cost effective multiple service solutions.

Project Manager, Motiva Convent Refinery

"Brand's expectations around safety and quality are far and above what I have experienced with other contractors. It was a pleasure working with them on our most recent turnaround, and I hope to have the opportunity to work with them in the future."

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