



REFINERIES & PETROCHEMICAL PLANTS

**Integrated Specialty Service Solutions
Refining and Petrochemical Maintenance,
Capital Project & Turnaround Services**

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INTEGRATED SPECIALTY SERVICE SOLUTIONS

EXPERIENCE & PERFORMANCE:

Brand Energy & Infrastructure Services is uniquely positioned to deliver value added multi-service solutions for refining and petrochemical maintenance, capital and turnaround projects. Our extensive service portfolio includes scaffolding, insulation, refractory, abrasive blasting, industrial coatings, fireproofing, corrosion protection and other related services. Our single-source approach yields many cost and time saving benefits for our clients, including optimal resource allocation, enhanced productivity, reduced safety risk and streamlined customer service through a single point of contact. With nearly six decades of experience serving the refining and petrochemical industry, Brand has the expertise to deliver specialty multi-service solutions for any project. Brand's Turnaround Services Division historically completes an average of 9 FCCU turnarounds per year, in addition to numerous turnarounds on SRU's, Furnaces and a variety of other units, with typical projects ranging in size from 20,000 to 160,000 man-hours. Brand works in more than 70 refineries throughout North America annually, delivering millions of safe man-hours. We have approximately 200 service centers and over 10,000 employees who are ready to serve. Brand is consistently recognized by our customers and industry leaders in receiving many prestigious awards for achieving excellence in our safety and operational performance. We don't simply tell our customers that we can get the job done, we deliver results.

INNOVATION:

Brand provides many innovative products and services that offer refining and petrochemical clients a unique alternative to traditional approaches. Our innovative solutions are designed to improve productivity, reduce manpower requirements, enhance safety performance and ultimately deliver critical time and cost savings. Several examples of Brand's smartly designed refining and petrochemical industry specific solutions include:

Open Center Access Solution for Boilers:

Our innovatively designed open-center access solution reduces risk, improves safety and saves costs. Building scaffolds with just perimeter decks, when no dance floor or superheat access is required, eliminates the need for many center legs. This reduces the dangers associated with establishing center legs from partially planked decks, and saves an estimated 25% on material and labor.

Suspended Platforms for Cokers:

Uniquely designed for petrochemical refinery cokers and reactors, Brand's suspended platforms can be suspended inside the unit. They are lowered and raised utilizing lifting devices and they expand and contract as the unit's width changes. Expandable suspended platforms are designed to go through small openings in the coker and other reactors in the refinery. Our aluminum platforms have a high load capacity, are lightweight and can be built to accommodate all sizes and shapes of cokers and reactors. It is estimated that our efficiently erected and dismantled suspended platforms can save up to 3 shifts in down time.

Robotic "Dust Free" Surface Preparation for Tanks:

This innovative alternative to traditional abrasive blasting methods utilizes technologically advanced robotic surface preparation machines that have the ability to self contain the dust and debris from blasting operations. Through this method, Brand is able to deliver significantly improved productivity rates while also maximizing our safety performance and reducing our impact on the environment. Productivity rates of 3,000 - 3,500 square feet per day are achievable on tank floor commercial blast operations with our horizontal machine.



FCCU Services

-  Refractory
-  Scaffolding
-  Insulation
-  Abrasive Blasting
-  Specialty Coatings
-  Corrosion Protection
-  Fireproofing




Coker & Reactor Services

-  Scaffolding
-  Refractory
-  Insulation
-  Abrasive Blasting
-  Specialty Coatings
-  Corrosion Protection
-  Fireproofing



Tower, Drum & Exchanger Services

-  Scaffolding
-  Insulation
-  Corrosion Protection






SRU Services

-  Refractory
-  Abrasive Blasting
-  Specialty Coatings




Tank Services

-  Scaffolding
-  Abrasive Blasting
-  Robotic Surface Preparation
-  Specialty Coatings
-  Corrosion Protection

Furnace & Heater Services

-  Refractory
-  Scaffolding
-  Abrasive Blasting
-  Specialty Coatings
-  Fireproofing

Boiler Services

-  Refractory
-  Scaffolding
-  Insulation
-  Abrasive Blasting
-  Specialty Coatings
-  Corrosion Protection
-  Fireproofing

