



IMPACT Another PSC Success Story

West Coast Refinery — Automated Hydroblasting

100% Automated Cleaning Speeds Refinery Turnaround

We Have the Technology: Safer, Faster, Lower-Cost

Automation is revolutionizing American industry. From automobile manufacturing to package delivery, robotic technology is helping increase quality and productivity to the benefit of producers and customers alike.

Even refinery maintenance is reaping the benefits of modern automation.

Recently, production at one of the West Coast's largest oil refineries was suspended for a scheduled routine "turn-around," the industry term for facility maintenance. The focus of this turnaround was 120 heat exchangers requiring deep cleaning. PSC, which had performed similar operations for the refinery's owner throughout the West Coast, was up for the task.

Central to PSC's approach was the use of automated hydroblasting equipment, now a staple of PSC's arsenal. PSC used an ATL 5000 to blast clean the tubes in each heat exchanger's interior, automated shell side cleaner to remove residue from the external

shell, and a pad blaster to clean the head spools and associated piping.

Using such equipment allowed PSC to perform the turnaround safer, faster and at less cost than comparable manual operations. Only two 10-hour shifts of eight men, each working seven days per week were required to complete the job in just two months. The total project cost was approximately \$1.1 million.

The refinery's owner was so pleased with PSC's results, customer service and safety performance that it selected the company to handle its crude and lube oil unit cleaning, which is twice the size of the heat exchanger cleaning project. The scope included up to 300 bundles on the pad and in unit work including vacuum services.

"PSC set a new standard of automated industrial cleaning at our refinery. They completed the task at hand in record time, saving us money while never putting workers at risk."

- Turnaround Manager

Combining cutting-edge technology with a traditional emphasis on safety and customer service makes PSC industry's first choice for facility cleaning and maintenance.



Providing Tomorrow's Solutions Today.®

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