

DELIVERING FAST, CLEAN TURNAROUNDS WITH PRECISION

Completing critical heat exchanger cleaning and reinstatement ahead of schedule during Williams’ 2020 Spring Shutdown.



CLIENT
Williams

YEAR
2020

BUSINESS LINE
Infrastructure and Industrial

The Challenge

As part of the 2020 Spring Shutdown at the Williams Markham Cryogenic Plant in Bay City, Texas, EnerMech was engaged to perform high-pressure cleaning and mechanical services on heat exchanger (HEX) bundles that had been in operation for over 20 years.

The scope required careful coordination of mechanical removal, internal and external cleaning, tube plugging, and reinstatement, all within a tight shutdown window.

Maintaining safety and quality while accelerating delivery was essential to minimise plant downtime.

The Solution

EnerMech mobilised a team of mechanical and quality control specialists, along with ultra-high-pressure (UHP) water jetting equipment, to execute the full scope.

The team performed mechanical preparation and removal of HEX bundles, followed by internal and external cleaning. After IRIS testing, non-serviceable tubes were plugged, and the bundles were reinstated.

Thanks to efficient planning and execution, all work was completed 24 hours ahead of schedule. The client praised the quality of work and HSE performance, with all deliverables meeting or exceeding expectations.

The Outcome

EnerMech’s delivery helped Williams complete a critical maintenance scope with minimal disruption to operations.

The project was completed safely, ahead of schedule, and to a high standard of quality. The team’s ability to execute efficiently and maintain strong HSE performance reinforced EnerMech’s value as a trusted partner for shutdown and turnaround services.

We Delivered...

- Mechanical removal, cleaning, and reinstatement of heat exchanger bundles
- UHP water jetting for internal and external cleaning
- Tube plugging following IRIS testing
- Timely mobilisation and on-site execution

Ahead of Schedule

Project completed 24 hours early, helping reduce overall shutdown duration.

Resolving Design Challenges

HEX bundles cleaned, tested, and reinstated with zero safety incidents and full client satisfaction.