

# DRIVING EFFICIENCY THROUGH SMART PRE-COMMISSIONING

Delivering critical services under pressure to accelerate commissioning and reduce resource use.



**CLIENT**  
SNC Lavalin, PDO

**YEAR**  
2020

**BUSINESS LINE**  
Infrastructure and Industrial

## The Challenge

EnerMech was tasked with delivering mechanical pre-commissioning services for a new integrated oil and gas facility Yibal Khuff in Oman.

The project faced multiple constraints: COVID-19 travel restrictions, extreme summer heat, supply chain disruptions, and limited access to flanged connections.

These factors threatened to delay commissioning and impact the client’s first oil timeline. A creative, resource-efficient solution was needed to maintain momentum and meet key milestones.

## The Solution

Our team developed a tailored pre-commissioning strategy that included chemical cleaning, amine degreasing, boiler boilouts, and steam blowing.

Through extensive planning and engineering, the team overcame access limitations and implemented a single-fill chemical cleaning process that met all operational parameters.

This approach eliminated the need for steam blowing on key systems, saving significant time and reducing water, chemical, and waste generation.

Despite supply chain pressures and environmental challenges, the team delivered the scope on schedule, with full compliance and minimal disruption.

## The Outcome

Through detailed planning and engineering, EnerMech delivered a tailored chemical cleaning solution that eliminated the need for steam blowing on key systems.

This saved an estimated 6–8 weeks on the commissioning schedule, reduced chemical and water usage, and helped maintain the project’s critical path.

The team’s ability to adapt under pressure and deliver a high-quality result reinforced EnerMech’s value as a reliable partner in complex, high-stakes environments.

## We Delivered...

- Chemical cleaning, amine degreasing, boiler boilouts, and steam blowing
- Custom-engineered setup to overcome limited flange access
- Single-fill chemical cleaning to reduce waste and resource use
- On-time delivery despite COVID-19 restrictions and harsh conditions

## Weeks Saved

Smart chemical cleaning avoided steam blowing, saving 6–8 weeks on schedule.

## Delivered Under Pressure

Early engagement and 24/7 technical coverage ensured a seamless solution, with ValvePro-certified personnel delivering safe, efficient execution onboard Shearwater.

