

# ICTHYS (INPEX) ONSHORE LNG PROJECT

INPEX's Ichthys onshore LNG processing facility is located at Bladin Point, Darwin, Australia, comprising 2 LNG trains, storage tanks, condensate and LPG plants, a 500MW combined-cycle power plant (CCP) and a jetty. This is one of the most significant onshore LNG facilities in the world, producing 8.9MTPA of LNG, 1.6MTPA LPG per annum and over 100,000 bpd of condensate.



**EnerMech provided integrated specialist pre-commissioning and commissioning of some 2,500 process, electrical and instrumentation, and associated pipework systems for the construction and commissioning stage. This was delivered via project management of a large multi-skilled workforce in excess of 700 people.**

**Client: JKC  
Date: 2017 - 2018**

## An adaptive, agile and integrated service offering

EnerMech's integrated approach and ability to deliver complex project demands led to better overall outcomes, with exemplary safety stats and efficiencies delivered at every phase of the project.

As one of the tier one contractors on site, we quickly mobilised in excess of 700 technical and operational staff across multiple work scopes. This included the pre-commissioning of the combined-cycle power plant (CCPP), involving chemical cleaning, Aqua Milling® and air blowing of steam piping. Other work scopes included mechanical and electrical construction and commissioning, as well as welding and fabrication, valve overhauls and PRV certification, waste management and disposal, NDE and commissioning works over a four-year period.

## >700

multi-skilled, specialist personnel

## 1.1 million

person-hours delivered over 4 years

## 5,250m

pipework installed

## 38

systems completed

## Four

emerald environmental awards

## Key to a successful project execution

- Previous experience of working on large scale integrated projects
- Ability to adapt to changing work scope requirements and resource accordingly
- Integrated service offering from pre-commissioning through to mechanical, electrical, construction and commissioning activities
- Optimisation through multi-skilled team having the knowledge and required skill set to move between work scopes
- Interfaces at all levels to ensure scopes were driven in a timely fashion and communication remained throughout
- Strong QHSE culture ensuring all scopes carried out to the highest standards
- Schedule and costs reduction. All systems commissioned and delivered to schedule. Membrane filtration system led to cost reduction.

Integrated delivery testing more than

## 2,500 PROCESS SYSTEMS