



## Refurbishment of Spare PCHE Heat Exchanger

### Objectives:

- Carry out refurbishment and specialist cleaning on damaged PCHE Heat Exchanger, currently onshore at OEM in long term storage.
- Return Heat Exchanger to an operable condition, to be held as a working spare.
- Set out Workscope to accommodate the Client operating parameters.
- Ensure all cleaning set up conforms to Client safety requirements.
- Safely remove damaged Baffle Plate and perform Pressure Check, Flow Check, Chemical Cleaning and Gas Puffing operations.
- Introduce Nitrogen Blanket for long term storage.
- Complete all work safely while working within hazardous working environment.



### Results:

- Transported Unit from OEM to EnerMech Yard, and set up full spread of equipment and personnel.
- Successfully performed all Pressure Tests, Flow Checks, Chemical Cleaning and Gas Puffing of PCHE Unit with zero incidents.
- Introduced Nitrogen Blanket.
- All work completed within Client timeframe.
- Transported Unit from EnerMech Yard to Client Storage location.



### Value to Client:

- Client now has a working spare PCHE.
- Massive cost savings, as the refurbished unit cost around 10% of the price of a new replacement unit.
- Client now has a spare unit much sooner than if a new unit was ordered.

#### **Location:**

Onshore, EnerMech Yard, Aberdeen

#### **Installation:**

Production Platform PCHE

#### **Products/Services:**

Chemical Cleaning / Gas Puffing

