

# Case Study – Air Compressor After & Inter Coolers

## Application

- Diesel powered air compressor package – inter & after coolers

## Specification

- Two stage 2400 CFM high pressure compressor – air on temp 169°C  
air off temp 55°C
- Operating pressure 1000psi (6.9 MPa)
- Heat rejection 220kW

## Benefits

- Cooling package fits onto existing equipment skid
- Previous overheating problem resolved

## Solution

- Custom cooling solution designed for the application including
  - Thermal software modelling of operating conditions
  - Unique PinFin wire wound heat transfer technology
  - Two stage high pressure cooling panel – AS1210 standard construction

