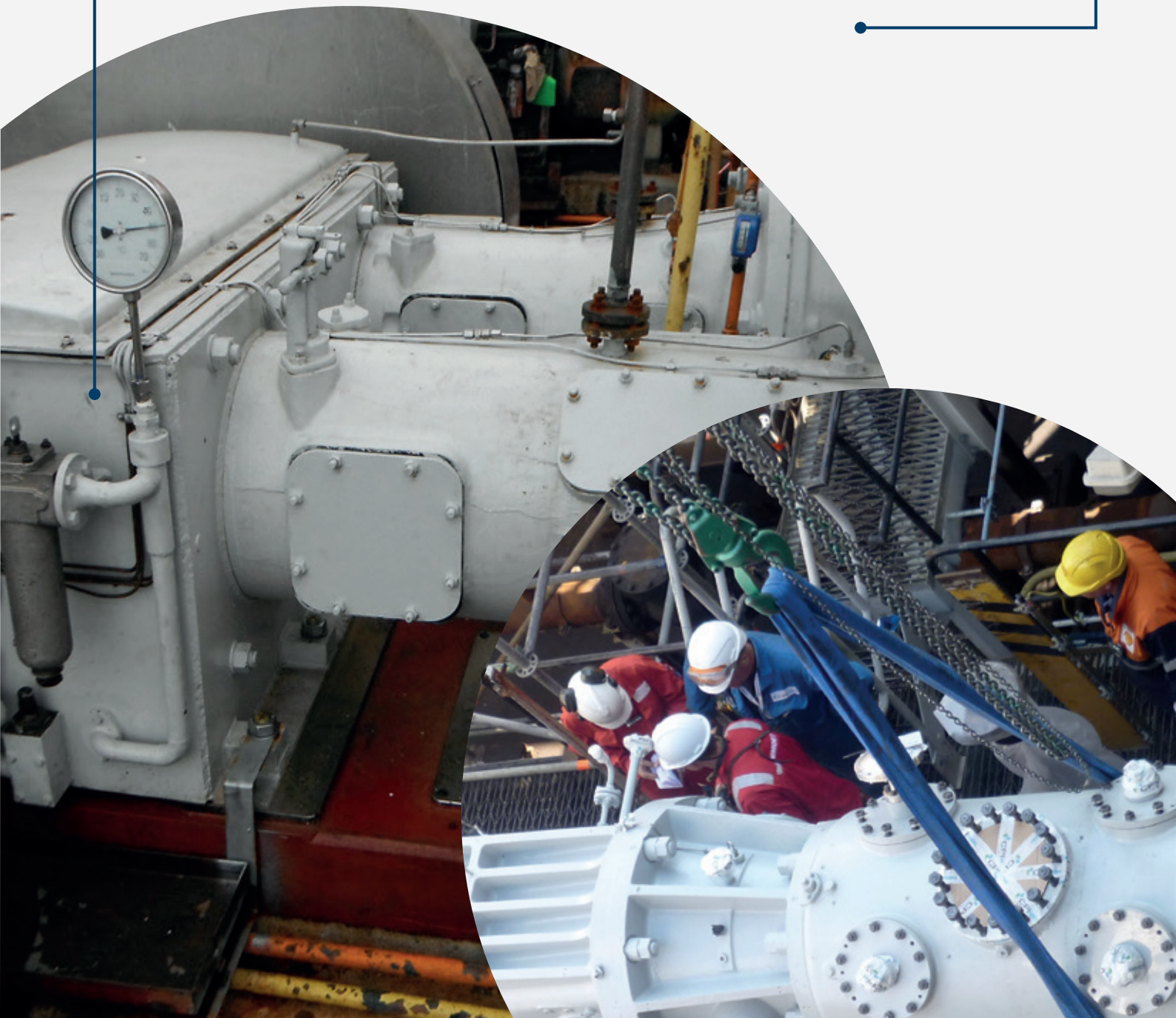


Compressor Services





One Source with Global Reach

Even the smallest components can interrupt uptime and alter productivity. As an experienced and reliable partner, CPI, part of the Howden group, is ready to respond with a solution at a moment's notice, anywhere in the world.

Field Services

CPI field service engineers are highly experienced technical experts capable of fully servicing many compressor makes and models, either individually, as a maintenance team working on-site with an operator's own personnel or supervising third party service personnel.

Our reputation on customer sites is highly regarded and our expertise is utilized on the most critical of installations. Through our component and full compressor knowledge, we bring the optimum level of total compressor support.

Our capabilities and certifications cover our technicians and supervisors both on and off-shore.

Engineering and Quality Manufacturing

With our extensive knowledge and experience of reciprocating compressors, their application and critical components, we are ideally placed to design and manufacture new, repair or replace all components.

Our in house design programs have been optimized through field feedback over many years, ensuring our designs are tailored to each and every specific application.

In both our service facilities and our manufacturing plants, where we have over 100 years of experience, we are using state-of-the-art methods and machines to ensure the quality and consistency of the finished component is of the highest order.





Overhauls and Rebuilds

CPI has the capability to completely overhaul full reciprocating compressors to as new condition, including if required, removal and re-installation to the customer site. Final dimensional report sheets are provided to the customer.



Complete cylinder overhaul - before (left) and after



Complete Component Repair or Replacement

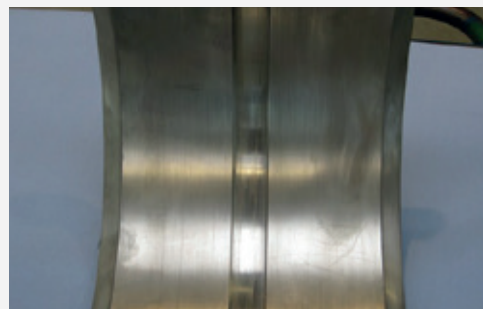
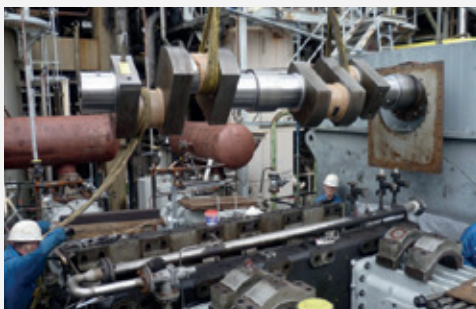
CPI provides exceptional reconditioning services for restoring parts to their original specifications and performance.

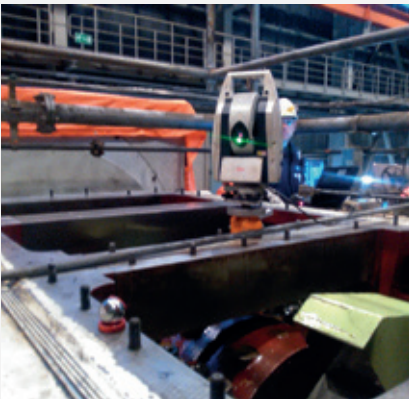
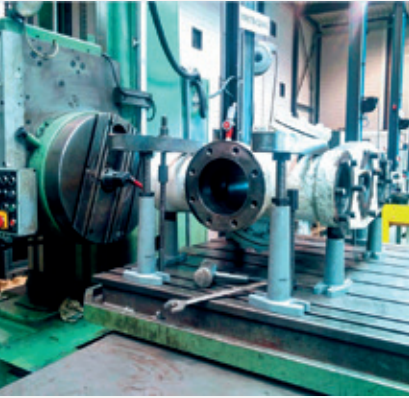
Whenever a part has the potential to be made "good as new," CPI has the expertise to make it happen. Using various NDT methods, CPI experts will carefully evaluate the condition of components identifying the root causes of problems to arrive at an optimal solution.

Our technicians are prepared to offer in-depth guidance on product redesign and upgrades. Where it's not possible to repair, we will use OEM quality components, either designed and manufactured by ourselves or sourced by our supply chain teams.



Foundation repair- before (left) and after





Capabilities

- Compressor servicing / overhaul (on site and in house)
- Cylinder bore coating / reclamation
- Cylinder bore honing (on site and in house)
- Cylinder pressure testing (gas/air & water spaces)
- Cylinder head manufacture / refurbishment
- Cylinder design, casting and manufacture
- Cylinder liner manufacture and replacement
- Crosshead guide manufacturing
- Piston manufacture
- Piston rod manufacture / refurbishment / coating
- Bearing manufacture / refurbishment
- White metal bearing and crosshead re-metalling
- Crankshaft repairs
- VVCP refurbishment
- Valve manufacture & refurbishment
- Packing Case manufacture & refurbishment
- Wiper Case manufacture & refurbishment
- General machining operations (turning & milling)
- Protective coating & painting applications
- NDT (various methods)
- Cylinder / casting impregnation
- Crack repairs
- Shaft & Bore laser alignment
- Foundation grouting and repair
- Lubrication system and component, supply and service

Training

CPI can provide compressor training either at customer site, or in one of our many facilities. Our training can be tailored to customers' needs, from site specific full compressor related topics to detailed critical component sessions. This can also provide an opportunity to identify potential system and component upgrades to further improve the



CPI, part of the Howden Group, is an industry-leading manufacturer of precision-engineered components for reciprocating compressors used in petrochemical, refining, natural gas, and offshore industries. The CPI product range includes packing, piston and rider rings and a complete line of compressor valves designed to provide each customer with maximum performance and reliability for their application. In addition, CPI offers the highest quality lubrication system technology for further compressor efficiency and protection.