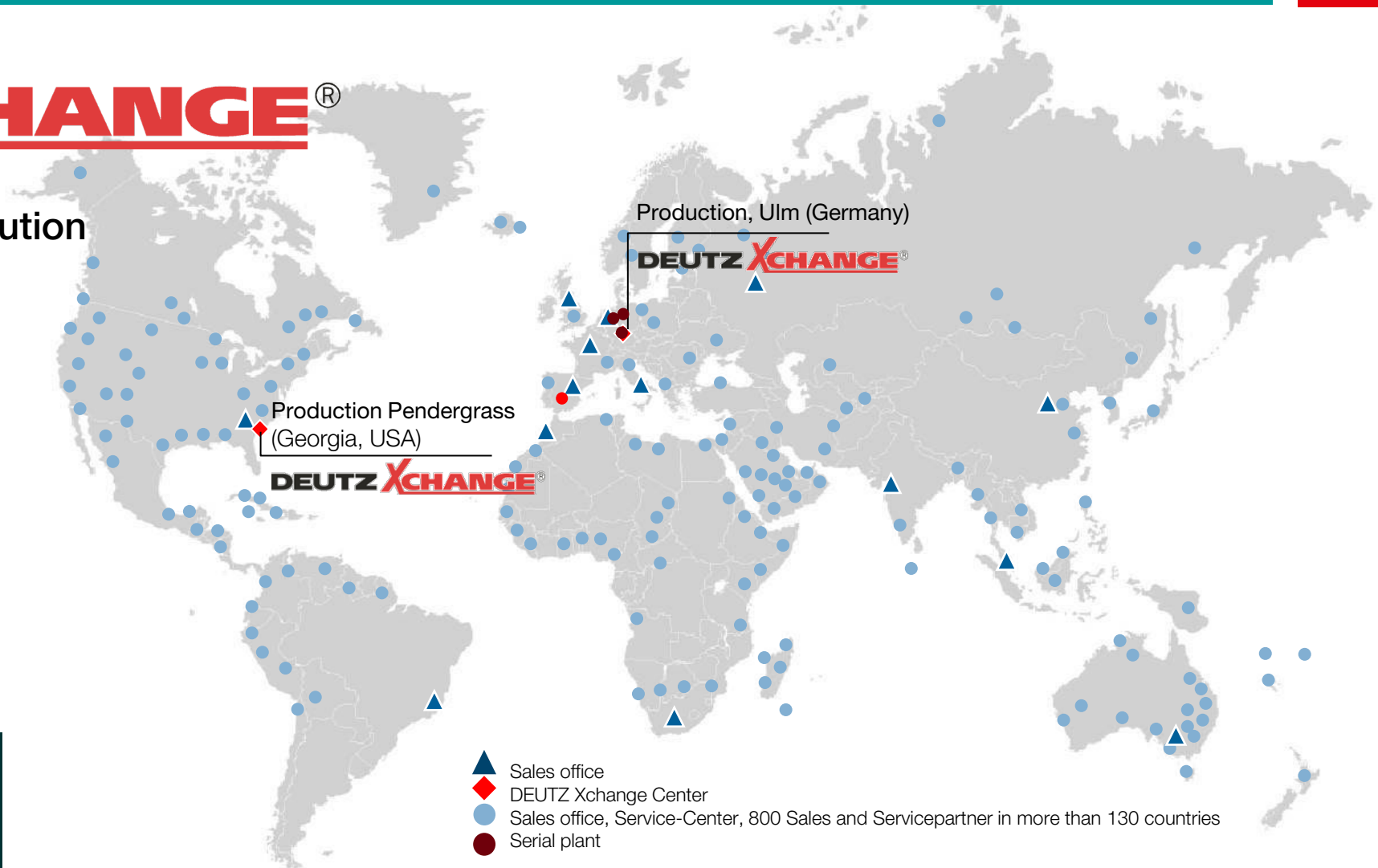


DEUTZ Service



DEUTZ XCHANGE®

Worldwide Xchange distribution



2024
**INTER
MAT.**
PARIS
24 - 27 APRIL 2024
Sustainable
construction solutions
& technology exhibition

www.intermat.deutz.com

Service & Reman / General information

- Same quality as original parts production up to 40% cheaper
- Xchange engines are up to 30% cheaper
- Reman experience since 1948 (> 75 years)
- Available engine portfolio of the last 40 years
- CO2 benefit Xchange vs. new engine > 50% in production
- Same quality standards for Xchange products as for production parts
- Valuable resources are saved (up to 40%) and new production is avoided
- Xchange engines and parts are factory tested for quality, functionality and fit
- Same technical know how as the manufacture of the original part, superior to a third-party provider
- Xchange engines are available for every application and for every machine age
- Downtime of your machines is kept as short as possible (2-11 days)

DEUTZ **XCHANGE**®

DEUTZ Reman Products (engines/parts/services)

- More than 1.100 parts number out of 12 modules
- Availability for all DEUTZ engine types with current emissions standards till end of life
- Quick availability of Xchange parts support a short time repair of the application and short down times
- Lower price compared to new parts with guaranteed genuine quality and functionality.

Turbocharger



Diesel particulate filter



Cylinder head



Injection valve



Starter



Air Compressor



Speed Governor



Air pump



High-pressure pump



Fuel control unit



Generator



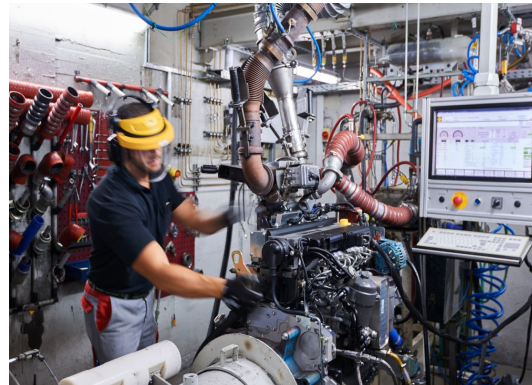
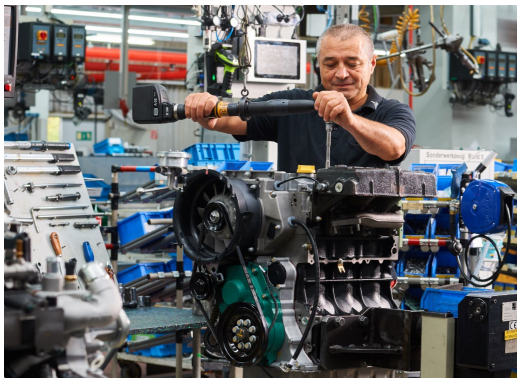
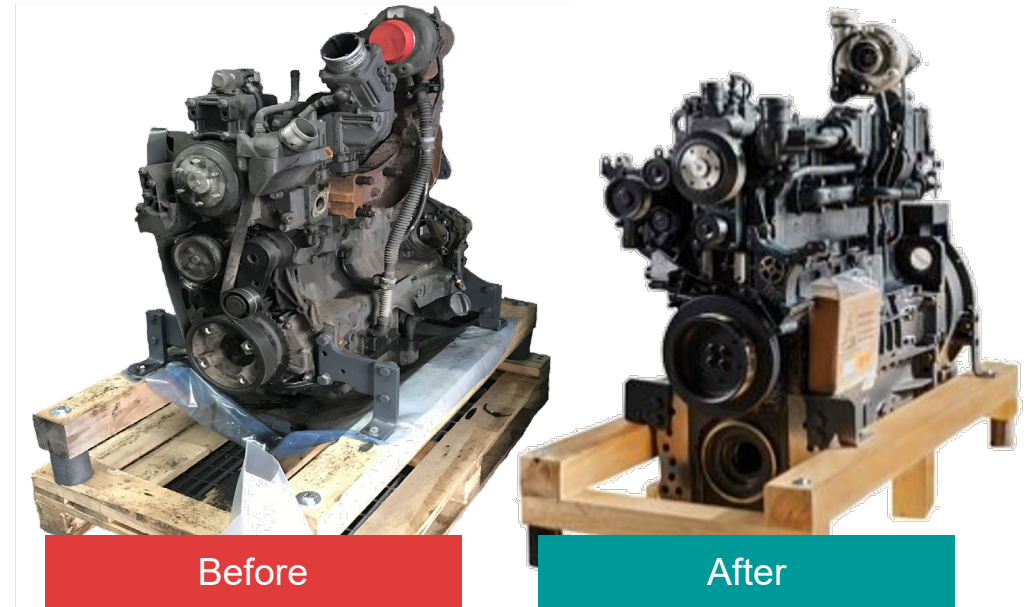
EGR-Module



DEUTZ **XCHANGE**®

DEUTZ Reman Products (Lifecycle Solutions)

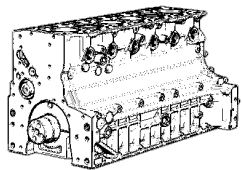
- 200 different Engine types available
- Nearly 100 different Short- and Longblock types available
- custom made identify preserving remanufacturing possible
- Serial production and quality processes making the difference



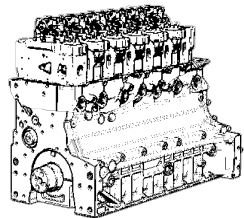
DEUTZ **XCHANGE**®

DEUTZ Reman Products (Lifecycle Solutions)

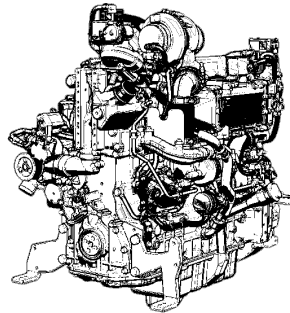
Xchange
Shortblock



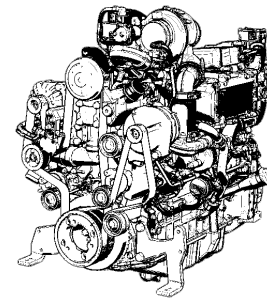
Xchange
Longblock



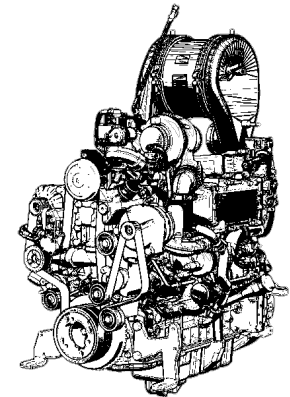
Xchange
Engine



Replacement
Engine



ReMot
Engine



Repair solution

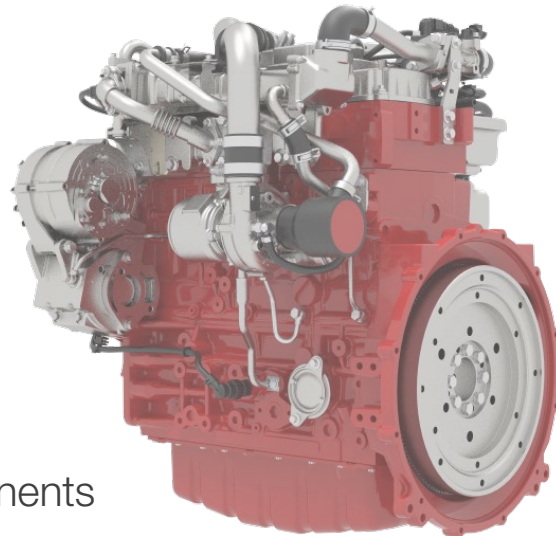
Replacement solution

DEUTZ **XCHANGE**®

DEUTZ Reman Products (Lifecycle Solutions)

What comes new with your Xchange engine?

- **New** bearings for cam- and crankshaft, conrod etc.
- **New** gaskets and sealings
- **New** filters (oil, fuel)
- **New** belt drive + tensioner
- **New** coolant- and oil pump
- **New** valves + valve stem seals
- **New** piston set (serial or oversize)
- **New** EGR components
- **New** injectors and high-pressure components



All parts are updated
to the latest design standards

- **New** turbocharger components
- **New** valve cover
- **New** tubes + hose clamps
- **New** wiring harness
- **New** accessories parts
- **New** wearing parts
- **New** standard parts (Nuts, screws...)
- **New** head bolts
- **New** sensors

Xchange reman process

Disassembly



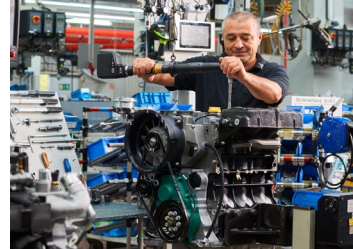
Inspection



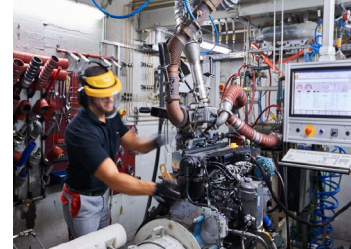
Reconditioning



Assembly



Quality check



- The used engine is completely disassembled.
- All wear parts are discarded.
- All reusable parts are cleaned.

- Diagnosis of all parts to be re-used. Decision on re-use, reconditioning or scrapping
- Further use of the current series status without exception
- Access to an extensive findings database and documentation

- The engine components are reconditioned according to DEUTZ's own specifications on modern machinery

- Assembly is made under series production conditions
- Replacement of wear parts by DEUTZ genuine parts

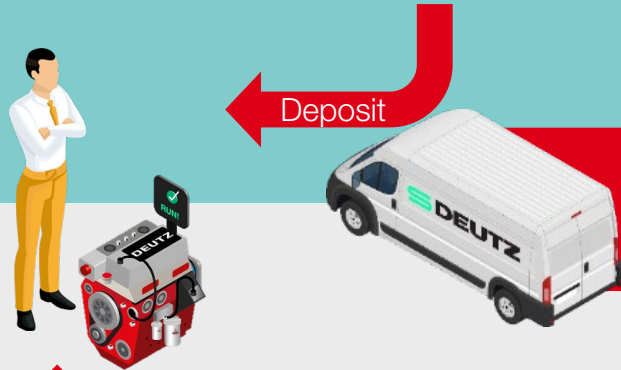
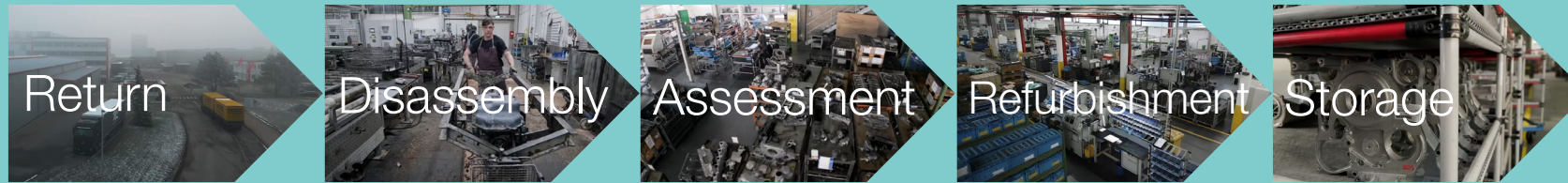
- 100% function and performance test
- Engine test run and setting according to the manufacturer's guidelines and the internationally applicable exhaust gas and performance regulations.

DEUTZ Service



Xchange reman process

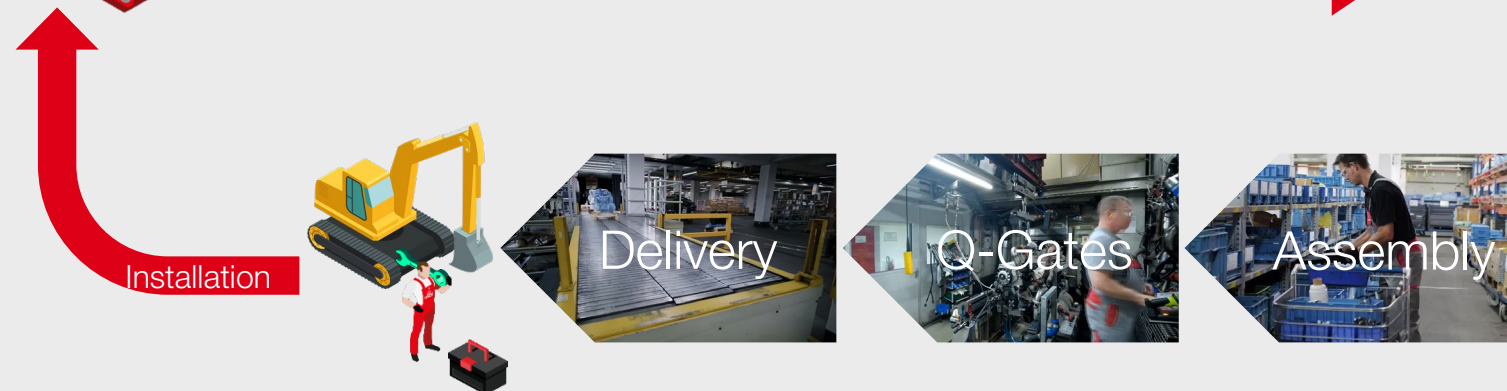
Return process



Demand for replacement engine



Production process



Assembly from stock