



SULZER



Sulzer Pumps

Reverse Engineering

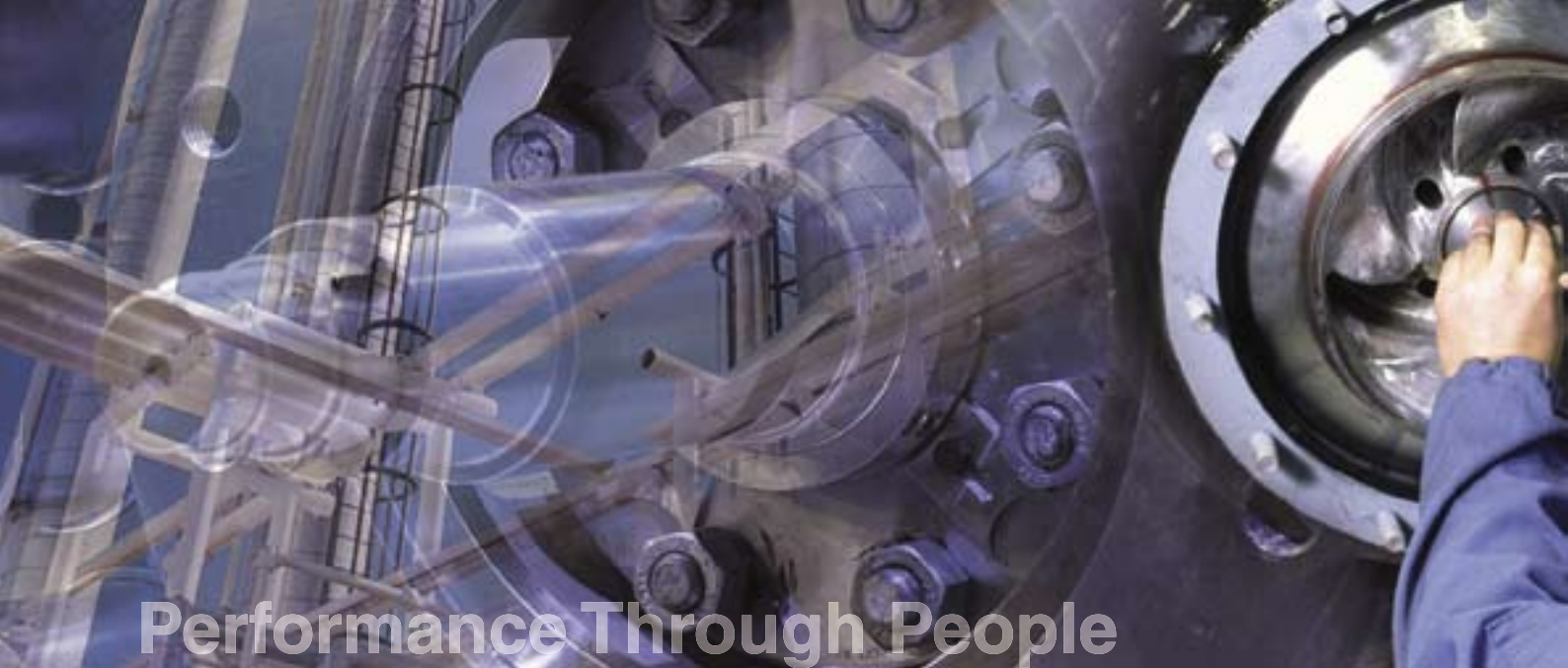
Maintenance and support services

motralec

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The **Heart**
of Your
Process





Performance Through People

Reverse Engineering

Sulzer Pumps is one of the world's leading manufacturers of centrifugal pumps. Renowned for high quality products, services and innovative solutions, we are dedicated to improving your processes and business performance. Our Customer Support Services team will quickly respond to your service needs and is focused on ensuring reliability for all your rotating machinery. Our global network of service centers makes Sulzer Pumps your ideal local service partner.

Source obsolete parts

Pump users often find it difficult to source parts for old or obsolete equipment. Such parts may be subject to long delivery times or only available at commercially unattractive terms for the user.

In cases such as these, our reverse engineering capability provides a competitive and reliable alternative with the added security that comes as standard with Sulzer Pumps technology.

These advantages are not restricted to pumps, a wide range of components can be engineered for compressors, turbines and valves of any age, produced by any manufacturer.

Using sophisticated 3D coordinate measuring equipment, a part can be fully modelled to a high degree of accuracy. The model is then used to generate manufacturing drawings for the new part. Parts may be turned or cast. For castings, our patternless rapid prototyping technology reduces lead times to an absolute minimum.

One of the key advantages of this technology for the end user is the ability to incorporate design upgrades as part of the process. Components that were originally produced many years ago can often benefit from design changes or material upgrades.

**Quality parts
for
old
equipment.**





Incorporate the latest technology

You can benefit from the full resources of Sulzer Pumps technology being applied to upgrade the original design. By constantly seeking opportunities to improve component performance, our reverse engineering services deliver more than just replacement parts. Typical opportunities include

- Material upgrades
- Application of surface coatings
- Component design improvements
- Hydraulic improvements
- Improved maintainability

Reverse engineering can be undertaken on a single component or be included as part of a comprehensive design review of the machine in question and its performance within the end users process.

**Reduce
running
costs.**

Customer benefits

Whatever the approach, our reverse engineering services are targeted deliver the following benefits

- Improved efficiency
- Improved performance (mechanical and hydraulic)
- Increased MTBF
- Reduced operating and maintenance costs
- Application of Sulzer Pumps technology to third party machinery
- Guaranteed results

To learn more about Sulzer Pumps reverse engineering services please contact your usual Sulzer Pumps representative.

**Upgrade
to the
latest
technology.**



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