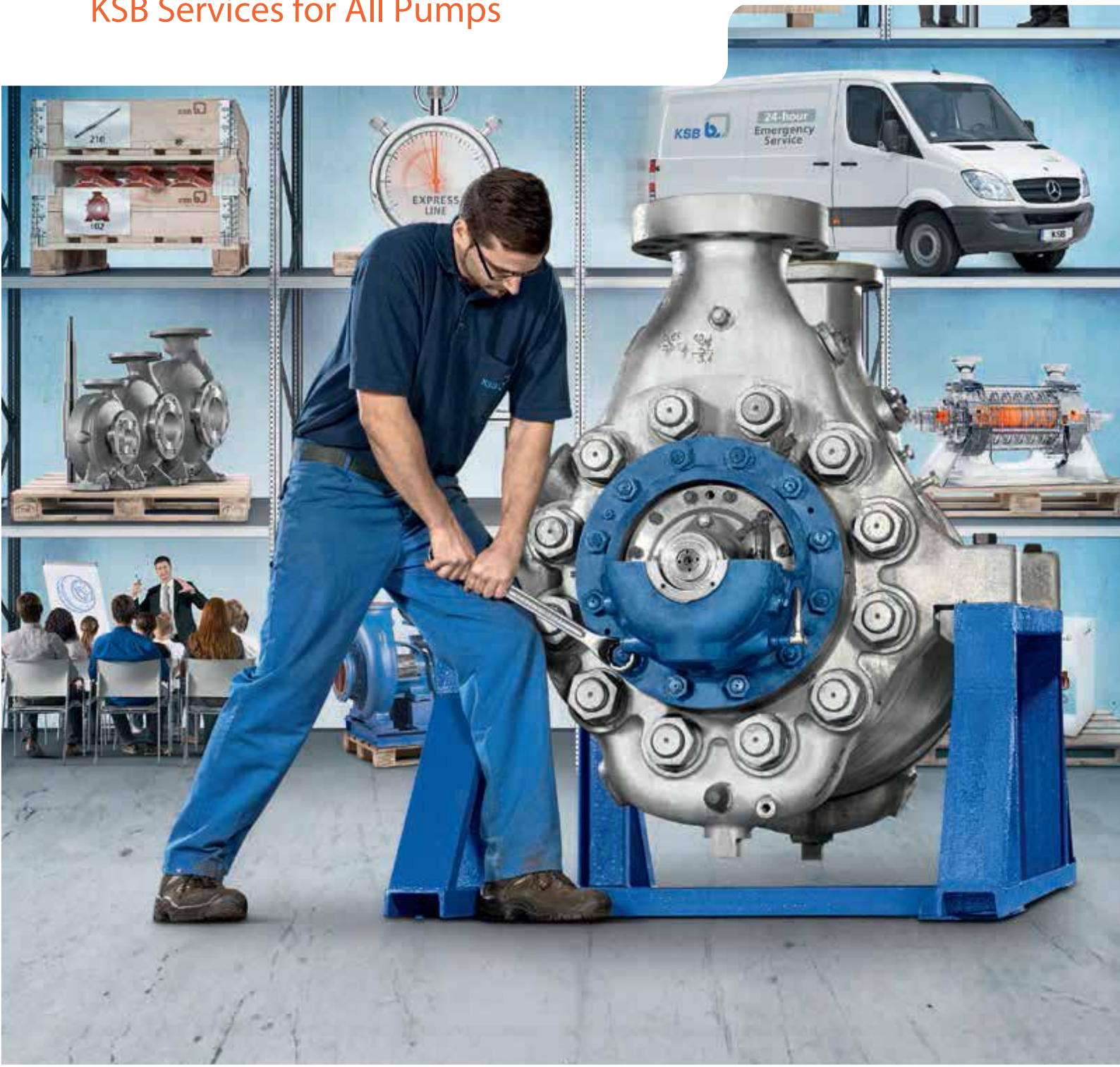


► Our technology. Your success.

Pumps ■ Valves ■ Service

Rely on us to solve your problem:

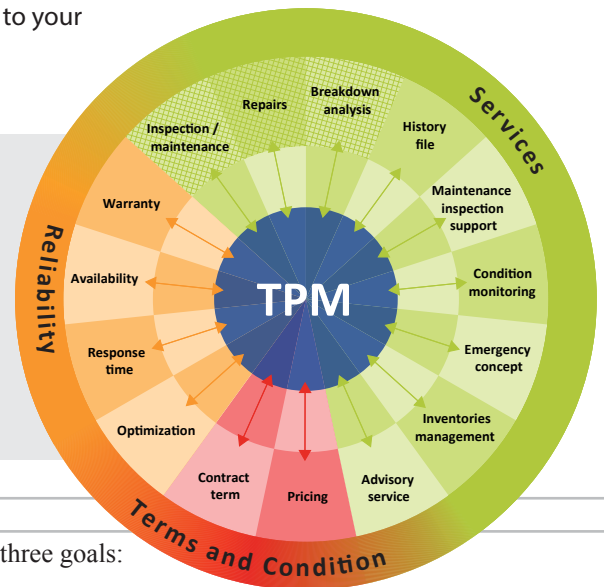
KSB Services for All Pumps



We keep you on track for success whatever the challenge

As a global leader in the field, KSB has more to offer than just excellent products: more partnership, more know-how, and more services. Be it the installation and commissioning of your equipment, its maintenance and repair, customized service concepts, or even eventual replacement, KSB Service looks after your pump sets at all points of their life cycle. In fact, our range of services applies not only to your KSB products, but also and just as well to your other pumps, valves and motors of any make or origin.

KSB developed TPM, which stands for Total Pump Management. This is a modular service concept for pumps, valves, motors and other rotating equipment. To create their KSB service contract customers can choose from and combine all modules found under the three features Services, Reliability and Conditions. On this basis, our experts develop the KSB service contracts in cooperation with the customer – from single maintenance modules to a Total Pump Care Package. This offers maximum planning reliability and optimum availability of the pump system. Maintenance and life cycle costs are thus significantly reduced.



Technical consultancy

KSB's technical consultancy service for pumps has three goals:

- System optimisation
- Energy savings
- Prolonged service life of rotating equipment of any make



Installation and commissioning

- Verification of system requirements and conditions
- Supervising all installation steps
- Supervising the commissioning, test runs and trial operations including records of operating data
- On-the-job training of operating staff



Maintenance Inspection Management

- Standard overhaul of pumps, valves and other rotating equipment of all makes, including manpower and logistics, tools and special machinery
- Provision of standard wear parts, gaskets and packing's
- Machining based on diagnosis, and retrofitting



Inspection Services

- Smooth running of pump and motor; if required, new bearings are fitted
- Shaft seal
- Wear parts of rotating and stationary units
- Switching function of the pump control unit
- Oil and grease lubrication
- Coupling alignment, with the coupling being re-aligned if required
- Pipework and valves
- Electronic monitoring systems
- Mechanical seal which is replaced if required



SES System Efficiency Service

Optimize and modernize pump systems to make them energy-efficient through SES - System Efficiency Service analysis. KSB analyses the complete pump system, identifies opportunities for system optimization and implements them in a targeted and professional manner.

Your benefits at a glance:



Increase satisfaction and loyalty

- Understand and optimize the user experience
- Track satisfaction and loyalty metrics
- As-new warranty on all repairs
- 24-hour emergency service



Optimize the System

- Optimization of costs of professional planning, implementation and compliance with deadlines
- Transparency through history files kept for all pumps and valves



Increase Reliability

- Specialists with many years of experience and manufacturer know-how ensure safety and reliability
- Reliability and safety, particularly during the start-up period, are ensured by experienced KSB system specialists with manufacturer know-how
- Replacing parts before they are worn ensure a high level of operating reliability



Reduce Down Time

- Downtime is avoided by performing necessary repair work in time.
- An on-board selection of spare parts in the service ensures immediate availability of components



Reduce Customer affliction

- One single contact for all service-related matters concerning pumps, valves and motors.
- Bespoke solutions for individual requirements and needs

Contract Agreement

Scheduled Maintenance agreement. This includes the schedule maintenance as they come. A complete chart of maintenances and pumps will have to be prepared with time line.

Maintenance Rate list agreement. Where minor and major maintenance rate list is fixed for a period of time. Thus eliminating the need to negotiation and purchase order each time. The above two may or may not include spare parts.

Inspection agreement. Where by KSB engineers make periodic inspection visits and/or carry our performance tests (sample attached) and give recommendations. All the above can be encompassed.

KSB & Non-KSB Spare parts service

Fast, reliable and professional for over 140 years

KSB stands for innovative solutions. Whether our customers need to transport fluids or order spare parts, they can put their trust in ground-breaking technology, comprehensive consulting and an extensive range of service offerings.

Spare parts logistic service:

Straightforward help in emergencies: the KSB spare parts logistics service offers various ways to meet your spare parts requirements at short notice, whatever the type series and part type.

The benefits at a glance:

- Short delivery time.
- Easily accessible.

Reverse engineering

KSB's reverse engineering makes it possible to quickly reproduce spare parts that are hard to find or no longer available.

The benefits at a glance:

- Replacements for original parts that are no longer available
- Longer service lives thanks to upgraded design, higher-grade materials or KSB's special materials

Inventory management:

KSB's inventory management service for spare parts provides recommendations for optimum spare parts stocks and preventing excess stocks or shortages of spare parts.

The benefits at a glance:

- Reduced warehousing costs thanks to optimized stocks and purchase order quantities
- Improved availability achieved by storing the ideal number of required parts
- Maximum operating reliability





Technology that **makes its mark**

Represented by:

IDEA

Industrial Development & Engineering Associates

33-C Khayaban-e-Shahbaz, Lane No. 4,

Shahbaz Commercial Area, Phase VI,

, Defence Housing Authority (DHA) Karachi-75500 Pakistan.

Ph: +92 21 35390481-2, 35397960-3 Fax: +92 21 5390483

Email: sales@idea.com.pk

www.idea.com.pk



KSB Pumps Company Limited

16/2 Sir Aga Khan Road

54000 Lahore, Pakistan

www.ksb.com.pk

Karachi Office:

Address: Office No.307 & 308, 3rd Floor Parsa Tower,
Block 6, PECHS Shahrah-e-Faisal, Karachi, Pakistan.

Phone: +92-21-111-572-786