Ship, Offshore & Mobile Crane Solutions
ALATAS CRANE SERVICES WORLDWIDE

With offices in Dubai, Germany, Hong Kong, Panama, Singapore, USA and the UK, Alatas provides crane parts and service worldwide for a wide range of ship, offshore and mobile cranes. Alatas has built up an excellent reputation since formation in 1988 and is the preferred crane service partner for many ship and offshore crane users, providing a complete crane service.

CRANE SPARE PARTS

Crane parts are sourced directly from the component producers by our cost cutting team. Alatas can supply original parts identical to those supplied by the crane manufacturer, offering savings on the majority of parts. In some cases, quality alternatives are available and both original and replacement parts can be quoted if required. Obsolete crane parts can also be repaired or remanufactured, ensuring the continuity of older machines.

CRANE ENGINEERS

Multi-disciplined crane service engineers are factory trained professionals with extensive Liebherr, Hagglund, NMF, O&K, BLM, Tsuji, IHI and Fukushima experience. Alatas engineers have earned the respect and confidence of many ship superintendents and offshore installation managers worldwide.

GEARBOX AND WINCH REPAIRS

Alatas manufacture gearbox and winch parts, including special bearings, obsolete bearings and many other gearbox and winch parts.
HYDRAULIC REPAIRS
The Alatas hydraulic pump and motor repair and service exchange programme provides fully tested hydraulic units ready for despatch. The bulk of service exchange units usually represent older hydraulic design and specifications that are more difficult to source than the current day generation.

SLEWRINGS
Alatas slewing bearings are checked at every stage of the manufacturing process, providing complete quality control. Beware of cheaper slewing bearings from manufacturers that do not offer such rigorous quality control!

CRANE OVERHAUL
Alatas offer complete overhaul of ship and offshore cranes, providing full project management from parts supply through to installation and testing.
DECK AND PEDESTAL CRANE SERVICE

Ship and offshore crane engineers are available worldwide. All aspects of crane operations are covered including electric, electronic, hydraulic and mechanical.

EXPERIENCED ENGINEERS

Alatas engineers are factory trained professionals with extensive Liebherr, Hagglunds, MacGregor, NMF, LMG, O&K, Fukushima and Tsuji backgrounds. Engineers also have many years of experience to draw upon and have earned the respect and confidence of many ship superintendents and offshore installation managers worldwide.

SERVICES PROVIDED INCLUDE

Emergency call out
Crane inspections
Preventative maintenance
Voyage repairs
Port repairs
Dry dockings
Winch stripdown/overhaul
Insurance inspections
Electrical setup
Upgrading and modernisation
Fault finding
Sheave changeout
Steel repairs
Boom repairs
Wire rope changeout
Crew training
Quadrennial surveys
Load testing
Consultancy
CRANES COVERED

Acta
Aker
Amclyde
American Aero
BLM
Brissonneau & Lotz
Bucyrus Erie
Dongnam
Effer
Favelle Favco
Fukushima
Hagglunds
Hydralift
Heila
IHI
KGW
Liebherr
Link Belt
LMG
MacGregor
Manitex
Mape
MHI
Mitsubishi
National
Nautilus
NMF
O&K
SCM
Seaking
Seatrax
Tsuji
TTS LMG

ALATAS
CRANE SERVICES WORLDWIDE
WWW.ALATAS.COM
DECK AND PEDESTAL CRANE SPARE PARTS

Ship, offshore and mobile crane parts are sourced directly from the component producers by our cost cutting teams worldwide. Alatas can supply original parts identical to those supplied by the crane manufacturer, offering excellent savings on the majority of parts. In some cases quality alternatives are available and Alatas can quote for both the original and replacement parts if required. Obsolete crane parts can also be repaired or remanufactured, ensuring the continuity of older machines.

Alatas hold substantial stock of high turnover and critical items in its offices around the world, ensuring fast supply of parts to the cranes’ location. Our experienced and dedicated staff use a worldwide computerised database to ensure your enquiries are dealt with quickly and efficiently at the most competitive rates.

CRANES COVERED INCLUDE:

✓ Liebherr  ✓ Hagglund  ✓ MacGregor  ✓ TTS LMG O&K
✓ Hydralift  ✓ Tsuji  ✓ Fukushima  ✓ NMF
✓ KGW  ✓ Zollern  ✓ Heila

...and many other makes including Acta, BLM, Brissonneau & Lotz, Dongnam, Effer, Hatlapa, IHI, Kawasaki, Melcal, MHI, Mitsubishi, Peiner, SMAG, etc.

OBsolete CRANE PARTS

Obsolete crane parts can also be repaired or remanufactured ensuring the continuity of older machines.
PARTS AVAILABLE INCLUDE:

<table>
<thead>
<tr>
<th>Winches</th>
<th>Brakes</th>
<th>Gearboxes</th>
<th>Sheaves</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bearings</td>
<td>Seals</td>
<td>Wire ropes</td>
<td>Limit sensors</td>
</tr>
<tr>
<td>Switches</td>
<td>Relays</td>
<td>Lighting</td>
<td>Cables</td>
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<tr>
<td>Joysticks</td>
<td>Potentiometers</td>
<td>Pumps</td>
<td>Motors</td>
</tr>
<tr>
<td>Valves</td>
<td>Filters</td>
<td>Grabs</td>
<td>PCB repair</td>
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<tr>
<td>Hoses</td>
<td>Cylinder repairs</td>
<td>Slewings</td>
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HYDRAULIC REPAIRS

The Alatas hydraulic pump and motor repair and service exchange programme provides fully tested hydraulic units ready for dispatch. The bulk of service exchange units usually represent the older designs and specifications that are more difficult to source than the current day generation.

GEARBOX AND WINCH REPAIRS

Alatas manufacture gearbox and winch parts, including special bearings, obsolete bearings and other gearbox and winch parts.
HYDRAULIC PUMPS AND MOTORS

Alatex supply new hydraulic pumps and motors as well as spare parts, including bearings, o-rings, rotary groups, seals and valves, etc.

REPAIRS AND REFURBISHMENTS

Hydraulic pumps and motors can be repaired and refurbished in our state of the art workshop. All parts are genuine and all units are tested to the manufacturers’ specifications and are supplied with warranty.

HYDRAULIC PUMP TEST BED

The installed power of the pump test stand exceeds that required to test the largest hydraulic piston pumps manufactured to date. The unique two station system is fully independent and can test open and closed circuit pumps and motors with sizes ranging from 12cc/rev to 1000 cc/rev of pressures up to 450 bar. The master control panel collates all test information required via a 32 channel data acquisition system. The instrumentation system records 7 flows up to 100°C, 2 speeds up to 4000 rpm. One drive for electro hydraulic pump controls, one power output in HP/KW and time. Alatex can provide hard copy graphical test reports showing overall performance and efficiencies. Pump controls can be set to your specifications no matter how complex, including horsepower regulated, load sensing and pressure compensated, etc.

HYDRAULIC MOTOR TEST BED

The motor test stand is based on a hydrostatic dynamometer and is capable of testing units up to 250 cc/rev or 1800 Nm. The instrumentation on this stand includes flow, pressure, temperature, speed and output torque, combined with data recording equipment.
HYDRAULIC VALVE TEST RIG

All hydraulic valve types can be tested and set to your specification on the valve test stand, including electro-proportional, flapper-servo, electrical solenoid, hydraulic pilot, pneumatic and manual operation. The test rig has the mounting plates for all popular sizes; ISO, DIN and CETOP standards for both directional and relief/reducing valve types.

SERVICE EXCHANGE PROGRAMME

Alatas offers a range of service exchange hydraulic pumps and motors that are fully tested and ready to be dispatched. The bulk of service exchange units usually represent the older designs and specifications that are more difficult to source than the current day generation.

The service exchange programme relies on the return of the original unit with serviceable cast housings, therefore allowing the programme to continue. Alatas are also technically capable of updating your old, out-of-date equipment with new versions from the same manufacturer, or of supplying cost effective replacements.
GEARBOX AND WINCH PARTS AND REPAIRS

GEARBOX AND WINCH PARTS
Alatas supply complete winches and gearboxes as well as original spare parts, including bearings, gears, wheels, o-rings, seals, circlips, casings, pinions, shafts and all other parts.

GEARBOX AND WINCH REPAIRS
Alatas have increased the repair workshop size to concentrate on the need to overhaul gearboxes, winches, hydraulic cylinders and slewing gearboxes. This improves on long delivery times quoted by the original manufacturers which have increased due to worldwide demand over the last few years.

Gearbox repairs and winch repairs can be completed in approximately 4 to 6 weeks with gear cutting, gear hardening, gear grinding, nitriding and manufacture of obsolete bearings available in-house.

TYPES COVERED
All major crane manufacturer gearboxes and winches are covered, including Braden, Hagglund, Hamworthy, Liebherr, Lohmann and Stolterfoth, MacGregor, Sauer, Sundstrand, Siebenhaar, Stiebel and Zollern.
**CYLINDER REPAIRS**

Alatas routinely carries out complete overhauls of hydraulic cylinders at their specialised workshops.

Cylinder repair and remanufacture is available in all sizes up to 250mm, (10") bore by 6000mm long, (20") stroke, with the facilities to handle rods, clevises, glands and trunnions.

Alatas technicians have experience on a wide range of hydraulic cylinders from crane makers such as Hydralift, Hagglund, MacGregor and Liebherr, etc.

A special test-rig, custom made tools, re-chroming facilities and large diameter grinding and honing is used to ensure fast and professional repairs, on par with the makers’ standard. Every cylinder will be dynamically tested and loaded to its designed working pressure.
GRABS PARTS, SALES AND SERVICE

GRAB TYPES COVERED

Alatas Singapore Pte Ltd is the specialised service station for SMAG Peiner, ORTS and other European and Japanese grab manufacturers.

EQUIPMENT SALES

The Singapore division provide new and used grabs including electro-hydraulic, mechanical with remote control, diesel-hydraulic, orange peel and 4 rope, etc.

GRAB ENGINEERS

Factory trained grab specialists are available for troubleshooting, inspections and afloat repairs worldwide.

GRAB WORKSHOP

Grab accident repairs, steel work and full reconditioning of a wide range of grabs take place in our specialist workshop in Singapore.

APPROVED SMAG PEINER SERVICE STATION

Alatas Singapore are an approved SMAG Peiner grab service station.
CRANE SLEW BEARINGS

CRANE SLEW BEARING MANUFACTURE

Alatas provides high quality slewing bearings with delivery times of 60-90 days and quality control is carried out by Alatas personnel. Class certification is available for all bearings.

Certificates are available for each stage of production and automated records are available for all heat treatments, hardness tests and surface tests, etc. The bearings are made from 42CrMo4 V or 50CrMo4 V and the raceway hardening is 4mm to 6mm, depending on the bearing design.

Alatas have supplied hundreds of bearings over the years and have extensive experience.

Alatas slew bearings are checked at every stage of the manufacturing process, providing complete quality control. Beware of cheaper bearings from manufacturers that do not offer such rigorous quality control!

CRANE SLEW BEARING INSTALLATION

Crane service engineers are available worldwide for slew bearing installation and testing.
CRANE OVERHAUL

Alatas provides the complete overhaul service for ship and offshore cranes. This includes spare part supply, rebuilding, machining, fabrication, control software upgrades, configuration, testing, survey, class approval, management and workforce provision.

Specialist workshops are equipped with the latest fabrication, testing and manufacturing equipment, enabling the manufacture of all types of crane parts and equipment ranging from crane cabins, winch parts, gearboxes, pumps, hookblocks and sheaves through to large items such as crane booms and slewings.

Crane parts can be sourced directly from the component producers by our cost cutting teams worldwide. Obsolete crane parts can also be repaired or remanufactured, ensuring the continuity of older machines. Parts with long delivery times can be remanufactured.

Engineering and design services ensure that cranes are repaired to an extremely high standard and to any required class approval.

Alatas has the in-depth experience and expertise to prolong the life of your cranes.
MOBILE AND CRAWLER CRANE PARTS

PARTS DISTRIBUTION

Alatas are parts distributors for Grove, Kobelco, LBS, Link Belt, Manitowoc, P&H, PPM and Terex Cranes.

OEM and replacement crane parts are available worldwide. Crane types covered include:

- American Hoist
- Bantam
- Bucyrus Erie
- Coles
- Demag
- Galion
- Grove
- Heila
- Hyco
- Iron Fairy
- Jones

- Kato
- Kobelco
- Koehring
- Krupp
- LBS
- Lima
- Link Belt
- Locatelli
- Lorain
- Manitowoc
- Mitsubishi

- National
- NCK
- P&H
- Pettibone
- PPM
- Ruston Bucyrus
- Starlifter
- Tadano
- Terex
- Unic
- Yard Boss

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