

NORD DRIVE SOLUTIONS FOR THE CRANE INDUSTRY



DRIVE SOLUTIONS FOR THE CRANE INDUSTRY

NORD DRIVESYSTEMS is one of the world's leading drive technology companies whose solutions are used in crane systems all over the world.

NORD DRIVESYSTEMS provides:

- Extensive knowledge of applications and technical support
- Complete drive solutions from a single source, consisting of gear units, motors, brakes and frequency inverters
- Strong global presence and service
- Experience from the installation of thousands of drive units in the crane industry
- Wide range of products with high quality standards
- Great reliability, economy and service life
- Recognised product quality compliant with international standards

Drive solutions for:

- Bridge cranes
- Wall-mounted cranes
- Portal cranes
- Travelling cranes
- Building cranes
- Jib cranes
- Floating cranes
- Container cranes
- Harbour cranes

and many other types of crane.



The tasks of cranes, in picking up loads and setting them down gently at a precise location, requires special drives and integrated brakes as well as a frequency inverter technology that ensures a soft start and generator braking via defined adjustable ramps. Smooth motion with high positioning accuracy is essential - and is often required with the simultaneous movement of the crane and the trolley as well as the control and synchronous operation for travelling drives.

Jib crane drives

Swivel drives

Travel drives

APPLICATIONS IN CRANE SYSTEMS

With its expertise in drive solutions for crane systems, NORD DRIVESYSTEMS creates economic drive solutions that meet all current and future requirements.

NORD DRIVESYSTEMS supports you with:

DESIGN

- myNORD
- Reduced number of variants
- Project design/optimisation
- Drive system design
- Application solutions
- Green solutions
- CAD drawings

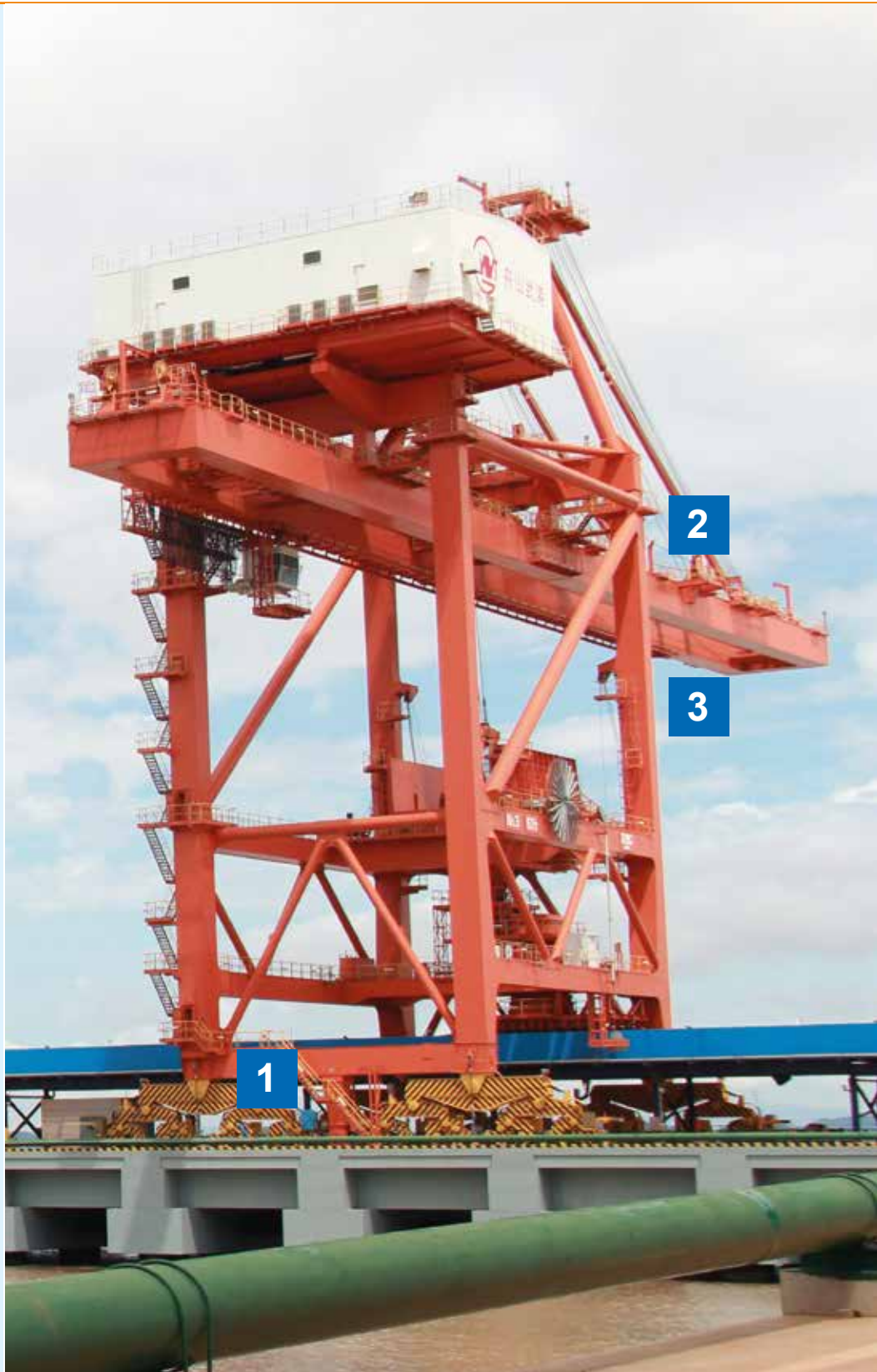
COMMISSIONING

- Plug-and-Play
- Support
- Training
- Documentation
- Smart commissioning

SERVICE

- Predictive maintenance (PLC function)
- Spare parts, express shipping
- Global presence
- 24/7 support

NORD DRIVESYSTEMS is your dependable worldwide project partner with subsidiaries and sales partners in 98 countries on 5 continents.





1 Travel drives

- Compact design
- Precise positioning
- Easy to service and maintain
- Energy-efficient
- High overload capacity
- With integrated PLC function
- Brake design for gentle braking
- Paint systems / Sealing systems
- Torque supports decoupled with metal instead of elastomers



2 Cross-travel drives

- Compact design
- Precise positioning
- Easy to service and maintain
- Energy-efficient
- High overload capacity
- With integrated PLC function
- Brake design for gentle braking
- Paint systems / Sealing systems
- Torque supports decoupled with metal instead of elastomers



3 Lifting gear drives

- Compact design
- Precise positioning
- Easy to service and maintain
- Energy-efficient
- High overload capacity
- With integrated PLC function
- Brake design up to gentle braking
- Paint systems / Sealing systems
- Torque supports decoupled with metal instead of elastomers

EFFICIENT, RELIABLE AND PROVEN DRIVE SOLUTIONS FOR CRANE SYSTEMS



Efficient

NORD drive solutions are environmentally friendly and help to minimise CO₂ emissions.

- NORD motors with low mass inertia are designed for inverter operation and comply with the latest international energy requirements.
- NORD frequency inverters ensure efficient operation, improved process control, and optimised motor performance.
- Easy to service and maintain, NORD drives reduce standstill times and thus contribute to an increased efficiency and availability of the entire system.

Reliable

It is vital to prevent breakdowns in crane systems. For this reason, reliability is our main focus when developing drive solutions. All of our system components are precisely matched to each other and ensure smooth operation.

- UNICASE gear units ensure precise positioning of bearings and shafts.
- AUTOVENT™ ensures a leak free design.
- Precisely machined gear wheels with minimum wear are used.
- The gear units are extraordinarily robust, run very quietly and have a particularly long service life.
- NORD inverters electronically protect the drive system and can visualise the operating data.

Tried-and-tested

NORD special solutions for crane systems have proven themselves throughout the world. The reasons for this include:

- Gear units withstand a wide range of ambient conditions. They function both in dusty environments, as well as in environments with high humidity and heat, and large temperature differences.
- We provide our customers with individual solutions which are tailored to their requirements, so that functionality in all situations is ensured.



Industrial Motors and Gears Limited

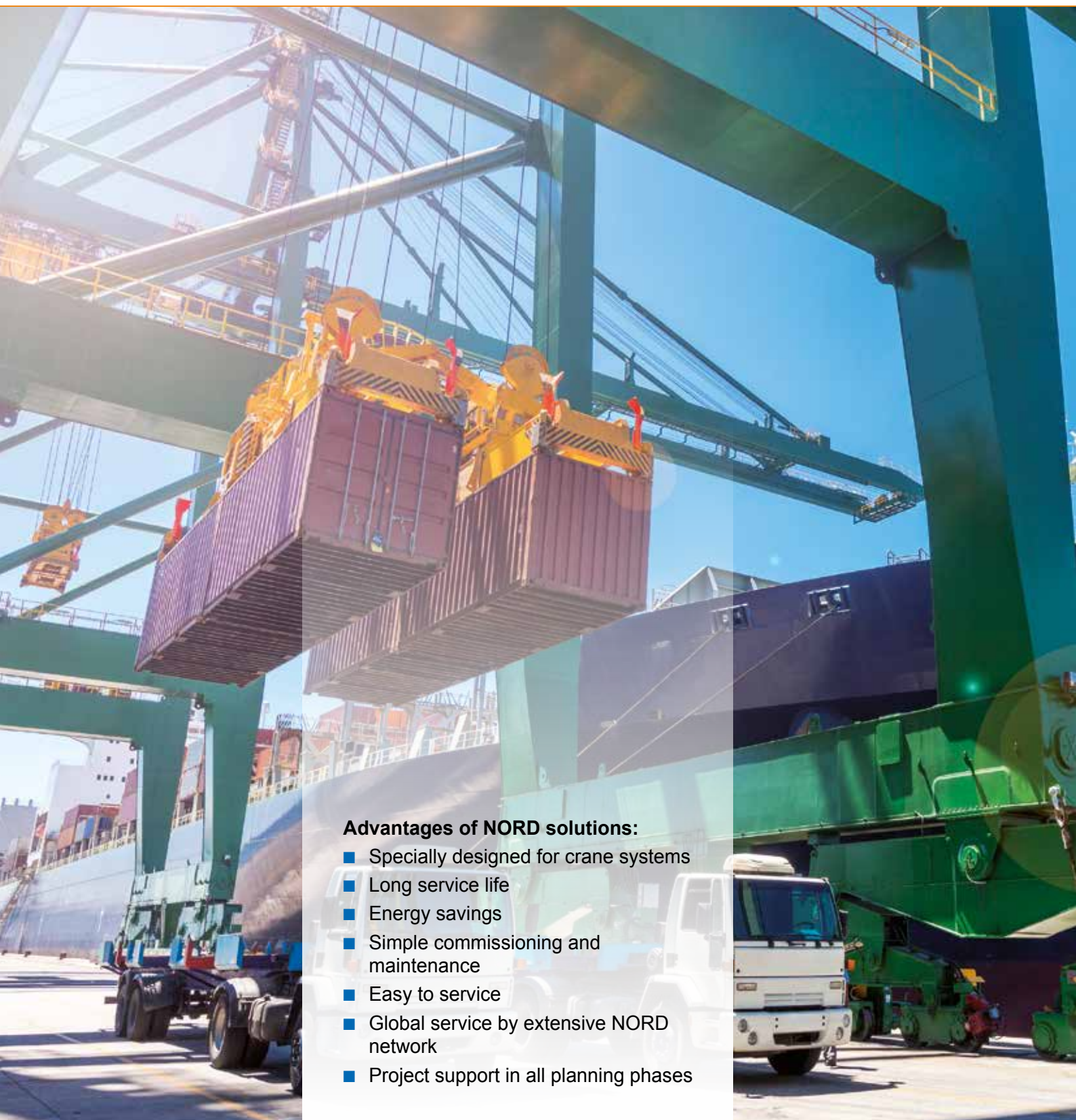
Tel. 01642 467999

Mob. 07815 889460

Fax. 01642 467988

Email. sales@imag-uk.com

www.imag-uk.com



Advantages of NORD solutions:

- Specially designed for crane systems
- Long service life
- Energy savings
- Simple commissioning and maintenance
- Easy to service
- Global service by extensive NORD network
- Project support in all planning phases