

# Loading and Unloading Area: **Mobile Harbor Crane (MHC)**

Mobile Harbor Cranes were developed due to technological improvements from static harbor cranes. The cranes have been modernized and made mobile, which makes them a critical type of crane within ports able to handle every type of goods. Efficient, mobile and versatile, the harbor mobile crane can be used in any port for the handling of: bulk materials, steel or scrap metal, general cargo, heavy load and containers.



## **Brevini® Planetary Gearboxes Slewing Drives**

- Torque range up to 370 kNm
- Modular design, inline or right angle configuration
- Range of output support configurations (low angle, long and short support with eccentricity)
- Failsafe negative brakes
- Input flange for hydraulic and electric prime motor
- Compact, light solutions for a perfect fit on machine frames
- Flexible output pinion to meet customer needs
- Product marine/offshore class certification available
- Special solutions to meet requirements for low climate and ATEX certifications



## **Brevini® Winch Drives**

- Single (for electric motor) or multiple input (for hydraulic motors) available
- Ratio range up to 6.000:1
- Max torque up to 850 kNm
- Integrated hydraulic failsafe negative brake



## **Spicer® Wheel Drives**

- Internal multidisc parking brake
- Manual disengagement device for towing
- High radial and axial load capacity bearings
- Cartridge hydraulic motors for compact layouts
- Motion control valves with different options available
- Bevel gear unit at the input for electric motor and/or cardan shaft connection available
- Special sealing system designed for severe environmental conditions
- Hub and spindle made of strength material



## **Brevini® Axial Piston Pumps**

- Displacement up to 226 cc
- Medium- and high-pressure options
- Fixed and variable displacement available
- Open or closed loop circuit
- ATEX certification
- Environmentally Acceptable Lubricants (EAL fluids)
- Suitable for working in harsh and aggressive environments



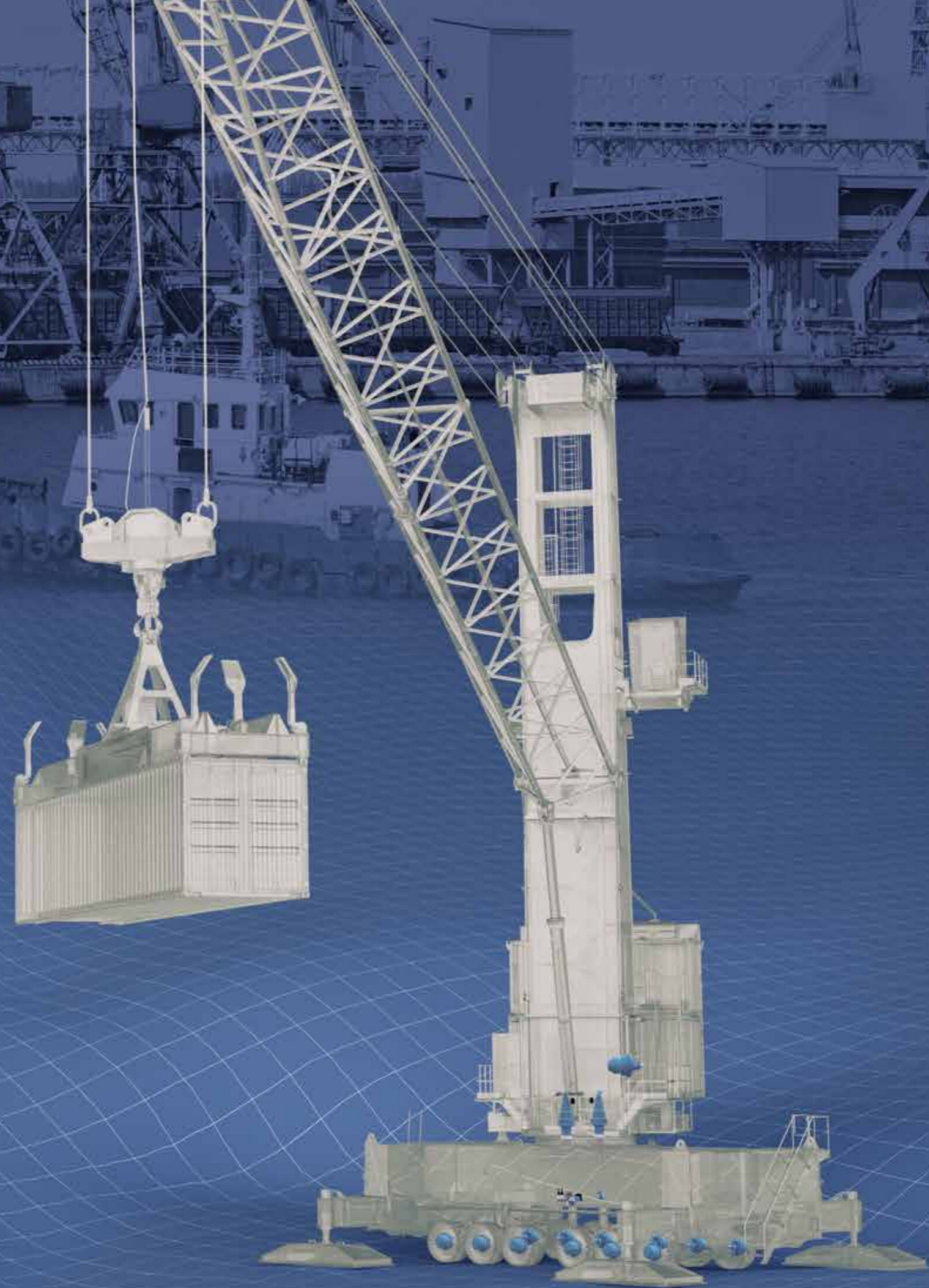
## **Brevini® Proportional Directional Valves**

- Oil flow up to 1,000 lt/min
- High modularity
- ATEX certification
- Remote control, electronic operation
- Smooth control to improve operation functionality and accuracy



## **Brevini® Axial Piston Motors**

- Main hoist drive motors
- Marine painting cycle
- Fixed and variable displacement
- Displacement up to 216 cc/rev
- Seven or nine piston options technologies
- Wide range of control valves
- Third-parties marine and ATEX certification
- Environmentally acceptable lubricants (EAL fluids)
- Suitable for working in harsh and aggressive environments



Dana offers customized solutions to meet a range of customer needs, including modular designs and add-on accessories.