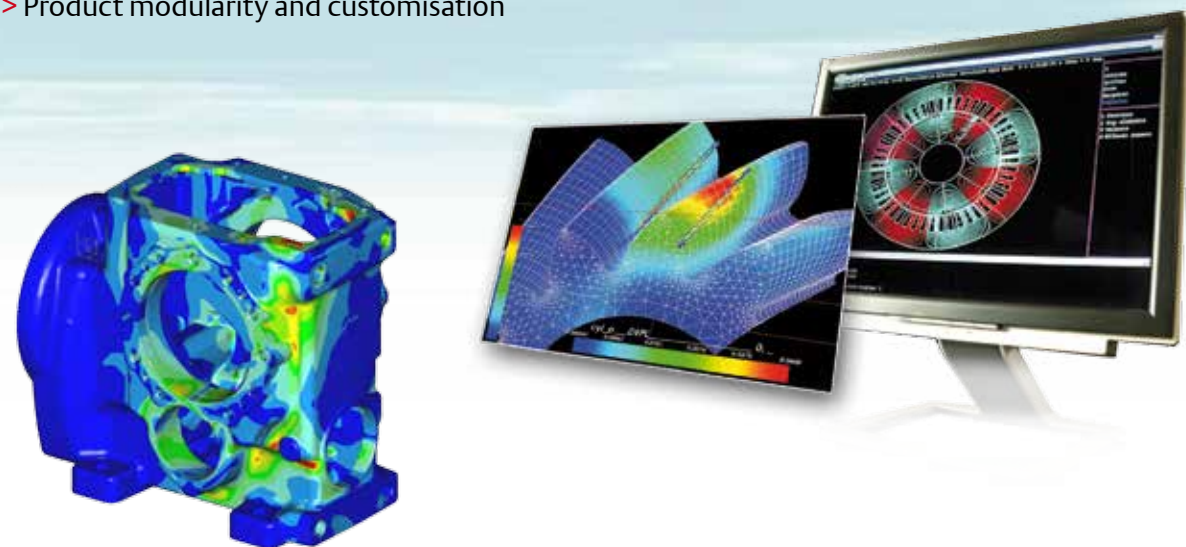


Know-how & Expertise

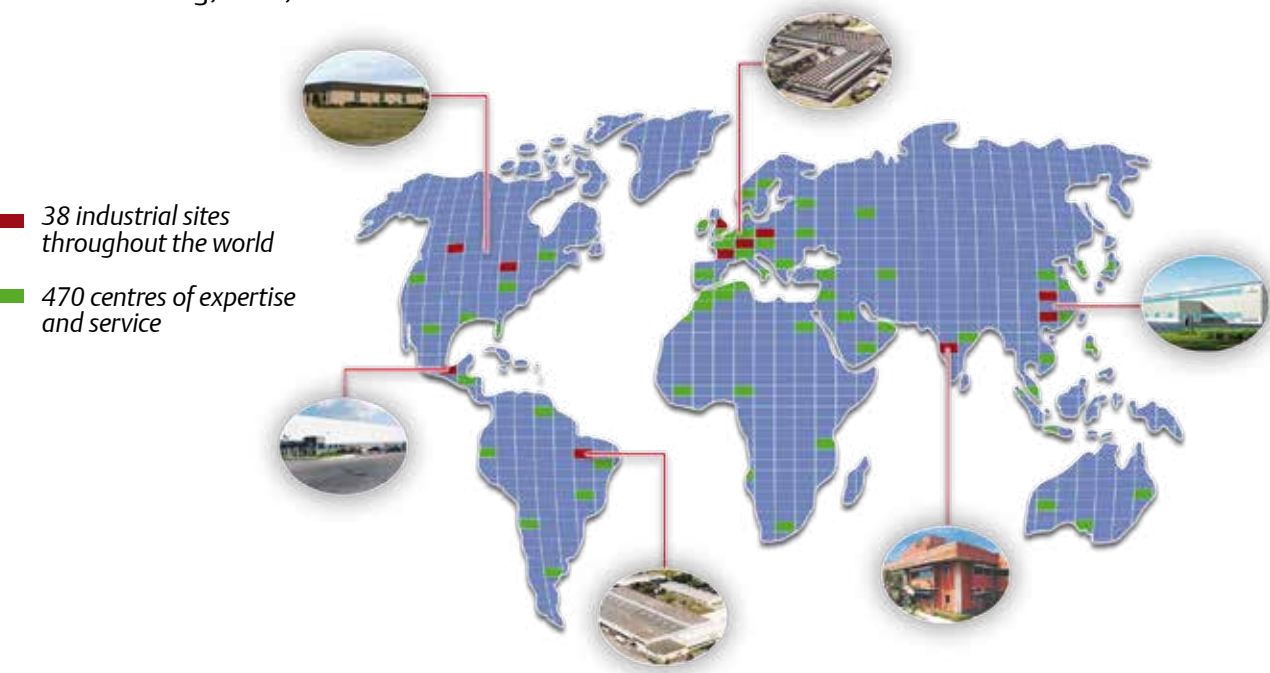
Tried and tested drive systems

- > 50 years' experience in cranes applications
- > Products designed to operate with precision in extreme environments: temperature variations, high relative humidity levels, dust, etc.
- > Increased service life of the mechanical components: bearings, gears, housings
- > High-efficiency motor and gearbox technology
- > Control and monitoring of the movement
- > Product modularity and customisation



International presence

- > Manufacturing, sales, service



www.emersonindustrial.com

© - This document is the property of Emerson Industrial Automation, it can not be reproduced in any form without prior written authorization. Emerson Industrial Automation reserves the right to modify the design, technical specifications and dimensions of the products shown in this document. The descriptions cannot in any way be considered contractual.

Moteurs Leroy-Somer SAS - RCS 338 567 258 ANGOULÊME - Capital de 65 800 512 €

The Emerson logo is a trademark and service mark of Emerson Electric Co. © 2013



BUILDING CRANES

Drive solutions

EMERSON. CONSIDER IT SOLVED.™

DEDICATED DRIVE SOLUTIONS FOR BUILDING CRANES

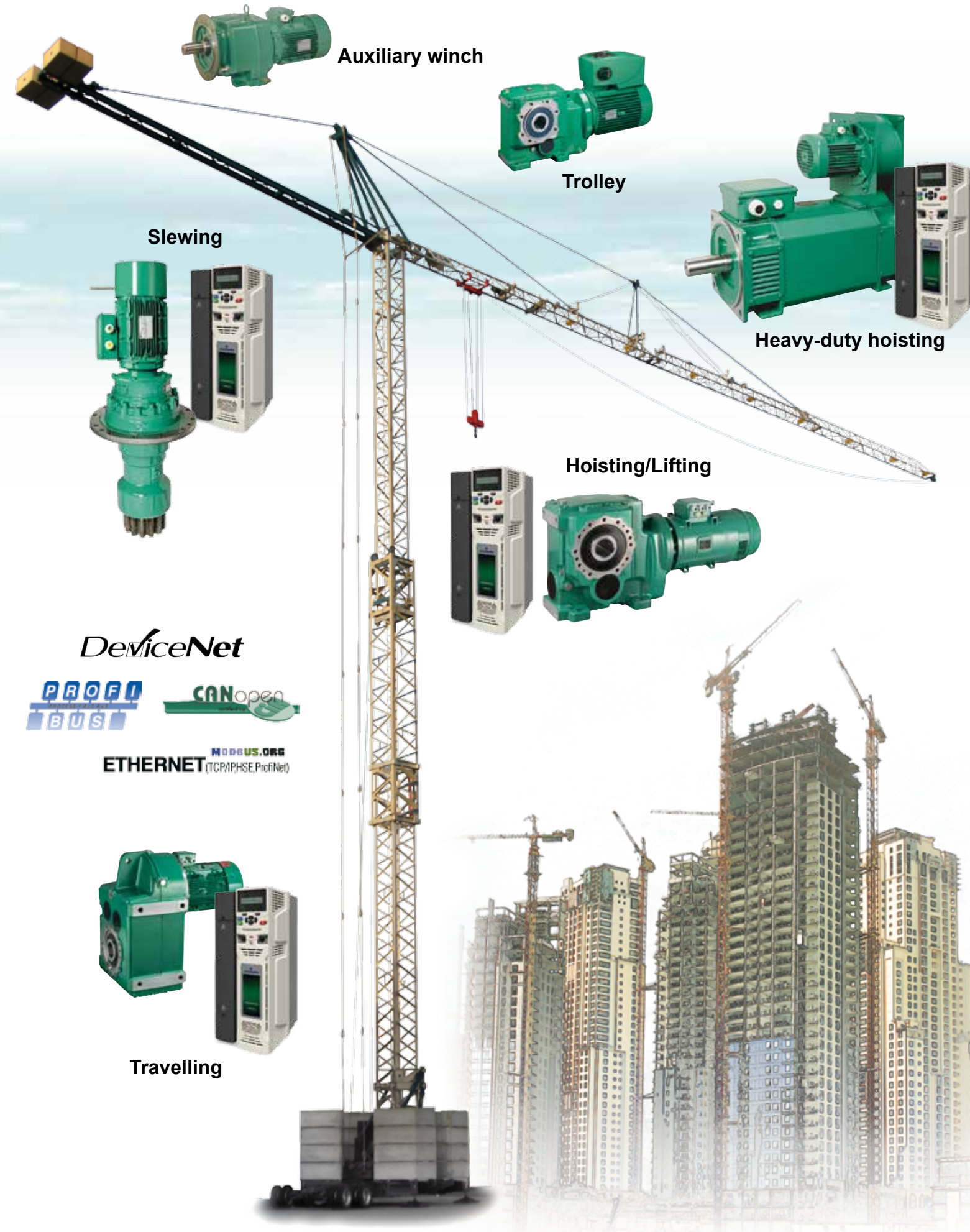
Emerson Industrial Automation, a world specialist in drive systems and alternators

As a world leader in the design and manufacture of alternators and drive mechanisms with more than half a century's experience in slewing, hoisting, travelling and trolley control, Emerson Industrial Automation has been able to establish itself as a market leader in drive systems for cranes.

Whether for tower cranes, self-erecting cranes or luffing jib cranes, the company meets the needs of all its customers, thanks to its expertise and also its industrial organisation with both a worldwide and a local focus, plus significant involvement of its R&D department, resulting in innovative and reliable solutions:

- > More compact dimensions for high-power hoisting systems, with the new generation of square motors
- > Better functionality thanks to the brake motor for variable speed control with integrated weathercock mode
- > Increased flexibility due to the use of power electronics and communication technologies
- > Enhanced safety thanks to fully-controlled high-power dynamic braking

This combination of know-how and a real wealth of experience explains Emerson Industrial Automation's increasing share in the market for drive mechanisms dedicated specifically to cranes.



Productivity

- > Crane hook movement controlled over a wide speed range, depending on the load
- > Universal communication modules, for relaying information to the control/command system
- > Speed profile parameter-setting and overload current control
- > Motor-integrated brake, for high dynamic performance



Safety

- > Range of brake motors for static hold or dynamic stop
- > Secure disable input available on drives, in compliance with standard IEC 61800-5-2
- > Electronic management: alarms, overspeed, backdriving, motor phase loss, brake release
- > Application of FEM (European Federation of Materials Handling) recommendations



Reliability

- > Excellent electrical and mechanical thermal reserve
- > High degree of concentricity of the bearing unit to increase the service life of the bearings
- > Reinforced winding insulation for operation with frequency inverter
- > Special finishes for increased resistance to harsh environments