

Focus on your Drive Systems...

"Control Techniques just do drives!"

Unswerving dedication to our core business strategy ensures that you get the best design support and advice, as well as quality products and after-sales attention and service.



Bulk Grab Crane, Amsterdam



20+ years of heavy industry drives experience



STS Quay Cranes (x3) for Ravenna Container Terminal, Italy

Our knowledge enhances your capability

Training of site engineering personnel can be carried out with minimal disruption by trainers who are experienced qualified engineers. Performed at your site and in your language.

www.controltechniques.com/cranes

Proven Capability

Proven Service and Technology in thousands of applications

Control Techniques has the capacity to deliver drive solutions for both new crane projects as well as retrofit installations.

Our extensive international network of Drive Centres ensures that the product support engineers skilled in crane applications are always on-hand.

The inherent quality-by-design drive product range combined with the experience of our engineers makes Control Techniques your first choice when up-time and reliability are the primary considerations.

Consider it solved...

Customers choose Control Techniques as a partner for the electrical systems for crane retrofits because of confidence in our technical appraisal and capability to deliver.

Our unrivaled experience in dc crane drive equipment means that you receive the best information and solutions delivering the lowest cost of ownership and the highest return on total capital (ROTC) invested.



Ship-to Shore Cranes, Asia

At the Heart of your Control System - Control Techniques Crane Drives...

Control Techniques are leaders in both AC and DC drive technology, for new applications AC drives invariably offer the best solution, however for upgrades and retrofit projects on existing DC systems we can help you to determine the best technology route for your crane systems.

Unidrive SP AC drive has all the flexibility which allows greater power density - reducing the space and weight needed for the electrical installation.

The powerful on-board PLC functionality (IEC 61131-1 programming software tools) in each drive can either complement a supervisory PLC or take on the entire logic control for the crane itself.

The unique modular approach to installation layout allows designs incorporating redundancy to achieve greater equipment availability.



Unidrive SP AC Drive

Mentor DC drive allows a fast and straightforward upgrade or retrofit of cranes with troublesome older switchgear. Immediate productivity increases can be gained through both greater reliability and more efficient movement.

Crane operators appreciate the "feel" of the crane's response to commands which can be tailored to emulate the replaced controls.



Mentor DC Drive

Motors from Patay, a subsidiary of Leroy Somer, also a group company of Emerson, with more than a century's experience in the design and manufacture of brake motors for lifting and materials handling.

Working with Leroy Somer we have many prestigious crane motor accomplishments such as the "Three Gorge" dam in China, Singapore Harbor, Marseille (France) Harbor, North Sea Oil platforms and many more.



AC & DC Brake Motors

Smaller, Smarter and more reliable

The Unidrive SP has many advanced features providing benefits for the crane industry:

- Unique modular design and standard power modules allows greater up-time availability of the crane and reduces spares
- Wireless Ethernet for connectivity to terminal management systems
- Internal load measurement to determine optimum hoisting and traveling speeds to maximise throughput
- Secure Disable for safety-related stopping to EN954-1 category 3 or 4 - saving switchgear components
- SMART for simple non-skilled maintenance and changeover
- Connectivity to all major fieldbus protocols such as Profibus and DeviceNet
- 48-96 Vdc battery back-up supply can be connected to return equipment to safe and secure positions in the event of a supply failure
- RFI (Radio Frequency Interference) Filter as standard

Speak with Control Techniques for your next project or retrofit installation
www.drivesforcranes.com/br



Dedicated Crane Control Software

- Anti-sway control
- Differential GPS control for RTG automated steering systems
- Grab/Hoist co-ordinated control
- Constant power hoisting to optimise through-put
- Slow control giving operators greater "feel"
- Operator control consoles and screens designed for clear information and operator comfort
- Energy saving functionality for cranes using diesel generator supplies

