

# Ship-To-Shore Cranes

## Let ABB Crane Systems lift your business

### ABB Crane Systems

ABB is a global group of companies that has been in business since the 19th century and serving the crane industry since 1897. Within the group, ABB Crane Systems has responsibility for integrating ABB and third-party products into efficient and reliable systems for the crane market.

As a major and steadfast player in the crane business since 1897, ABB is always there to help you protect your investment.

ABB Crane Systems also defines and develops strategic systems and products to improve crane productivity and availability.

### Worldwide Presence with an Extensive Service Network

ABB Crane Systems has successfully installed over 400 ship-to-shore cranes in 31 different countries, working together with more than 25 various OEMs. We have the largest staff of technical experts and customer service personnel in the world dedicated to container crane systems.

The ABB group itself operates in over 100 countries with offices in 87 of those countries to give its global and local customers the support they need for developing and conducting their business successfully.

ABB Advant® Crane Control System is a complete toolbox for efficient container handling. The system is designed to give you the level of control you need now and in the future. As your business grows and your needs evolve, more functions, more cranes and more integration can be easily added.

### ABB Advant® Crane Control System provides you with:

- Crane-specialized drive and control systems for individual cranes as well as for advanced port automation systems.
- Cost-effective systems based on proven modules to suit your needs.
- Systems-proven solutions in large and small ports all over the world.
- Crane automation solutions.
- Double hoist and dual trolley configurations.



### Standardized Packages and Extensive Options

Standardized packages are available for electrification and automation of both new and existing cranes to ensure that they will meet tomorrow's requirements. Our system includes a wide range of well-proven hardware and software solutions that are divided into blocks for easy adaptation to your specifications.

### Extensive range of options available, including:

- Skew Control
- Electronic Load Control (ELC)
- Ship Profiling System (SPS)
- Vehicle Alignment System (VAS)
- Automatic landings
- and more ...

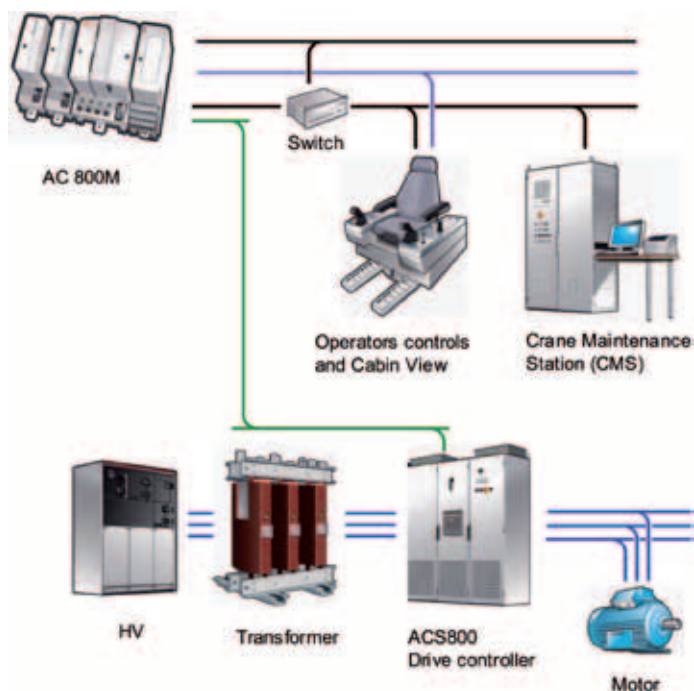
## Refurbishment of Existing Cranes

ABB Crane Systems has extensive experience in ship-to-shore crane upgrades. We have refurbished over 40 cranes in various countries, often in record time.

ABB's upgrade kits make it possible to retain existing cabinets, cables, and motors and still obtain a modern crane control system.

## Clean Control Architecture

Reduced complexity with only three control network levels. Using PROFIBUS DP almost exclusively for all control interfaces and peripheral devices enables the end-user to easily integrate any future system.



## Ultimate Drive Configuration

ABB Crane Systems has implemented crane function software in the drive systems to achieve the best possible performance, both for AC and DC drives.

- AC crane drive Direct Torque Control for squirrel cage motors.
- Cost-effective DC crane drive for new and existing DC motor installations.

## ACS 800 Multidrive Lineup Facilitating

- Common parts for supply and drive units reduces spare parts.
- Roll-out & plug-in design for power modules for fast and easy replacements.
- Redundancy - complete three-phase power modules connected in parallel for the supply unit.

## Dedicated Partner

ABB Crane Systems resources are second to none when it comes to taking on complex projects and, providing project management. We can help improve your operations with competitive container crane systems, automation solutions and future upgrades.

For more information please contact:

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