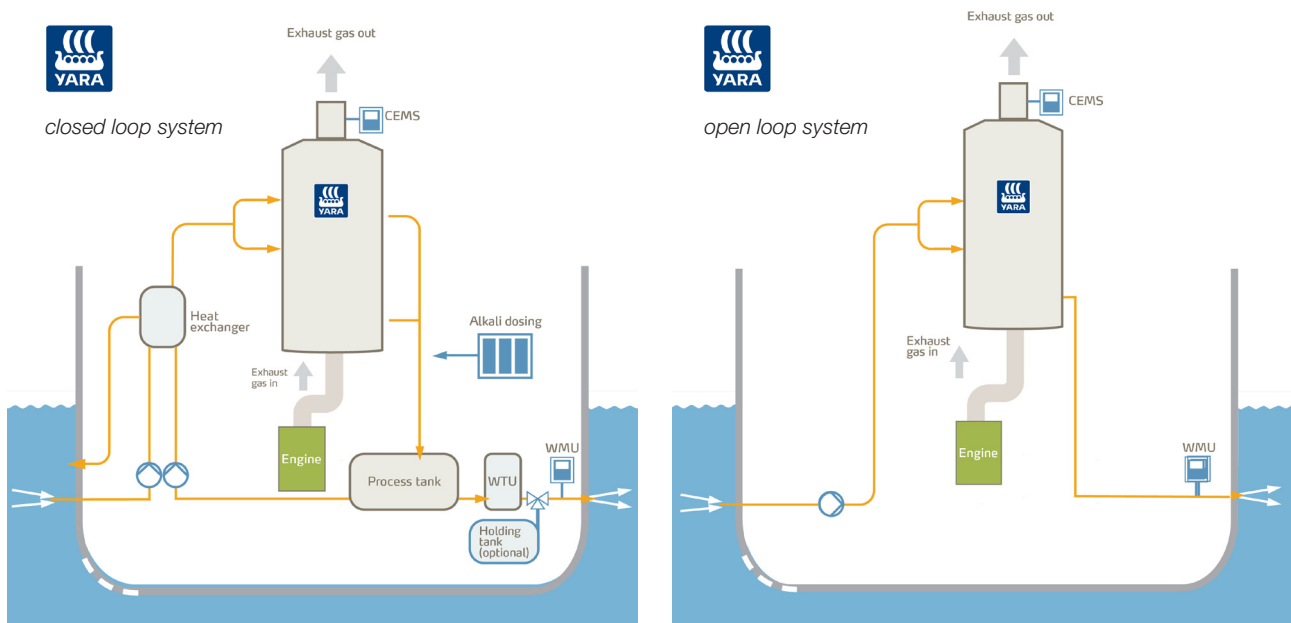


## Marine Scrubber System Drives

The scrubber system is used to protect the environment from air pollution by removing particulates from the exhaust streams.

When used for exhaust cleaning on ships, robust and reliable Emotron pump drives with an energy loss of only 2% make this environmental solution particularly energy efficient.

### The marine scrubber system at a glance



### Drives adapted to marine scrubber systems

Make your scrubber setup complete with CG Emotron FDU drives for all your system pumps, available in 400-690V. Flexible modular design and smart space solutions make even the most powerful drives easily integrated.

Emotron drives are made in an exceptional electrical and mechanical robust design for reliable operations in marine environments. The all-metal IP54 casing is ideal for space efficient standalone units.

### Fully customised products to fit your needs

Your Emotron drive products can be customised to the level you require. Customised products are handled by our normal production procedures and own branding is a natural part of our processes.

Specific marine requirements such as unique colouring, cable adaptations and particular labelling requirements are easily met with the help of our skilled marine project teams.



Emotron IP54 FDU drives up to 4MW



Emotron marine project teams are experienced working with retrofit challenges



2% energy loss for one of the most energy efficient solutions on the market, to reduce your carbon footprint

### Marine certifications

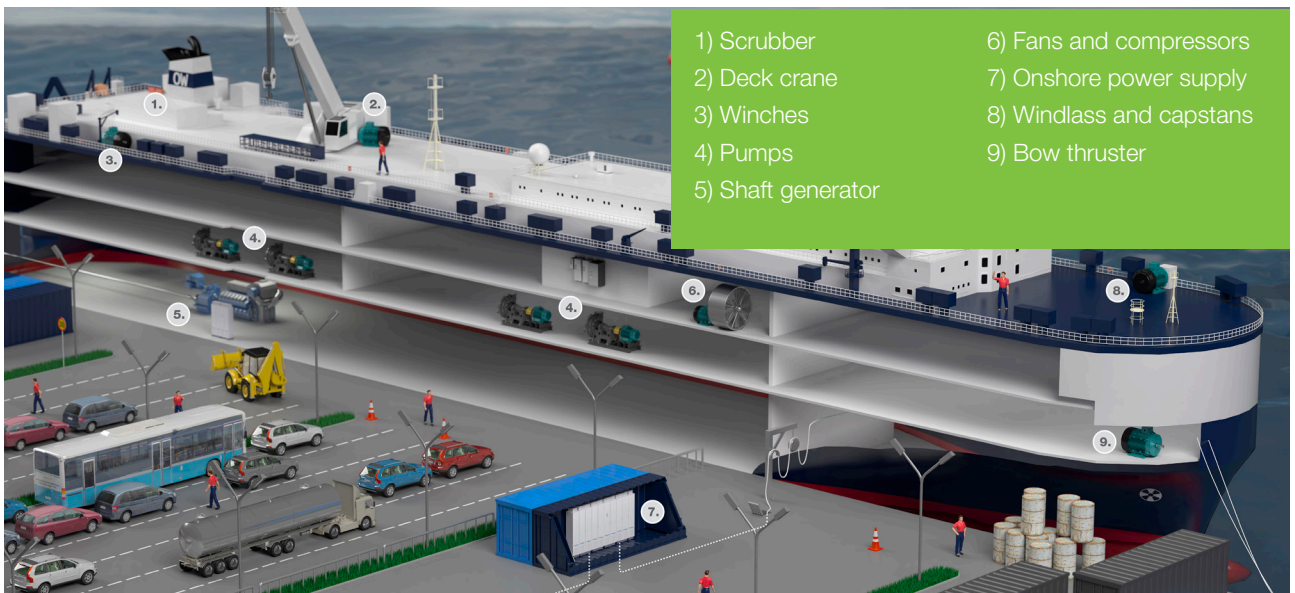
At Emotron, expert knowledge is always at your fingertips. Your marine project team will follow you every step of the way. We manage a design review followed by an in-house survey when necessary and have well-established contacts with all the major certifying bodies. We test all of your components individually before commissioning for your peace of mind.

### Worldwide service network

With a worldwide partner network and remote access solutions, we can offer service contracts to fit your needs. The complete service offer includes:

- ✓ Putting into operation/commissioning
- ✓ 24/7 support
- ✓ Maintenance
- ✓ Security for critical processes
- ✓ Repairs
- ✓ Extended warranty
- ✓ Remote diagnostics
- ✓ Training

### Emotron solutions for the marine environment



We put all our energy into saving yours.



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DEDICATED DRIVE



A CG Product



DEDICATED DRIVE



## About CG Drives & Automation Emotron

CG Drives & Automation has developed, manufactured and delivered efficient and reliable motor control equipment for over 40 years under the brand of Emotron. Since 2011 we form a part of CG Power and Industrial Solutions Ltd., a global pioneering leader in the management and application of electrical energy.

At CG Drives & Automation we use our know-how to create technical solutions that fit your requirements, and our personal commitment to make them work in practice.

Simplicity and reliability are keywords applying to our products and solutions, as well as the service and support that our committed professionals provide.

CG Drives & Automation has five core markets with sites in the Nordics, India, Germany, the Netherlands, MEA and a dedicated partner network worldwide.

[www.emotron.com](http://www.emotron.com)

*We put all our energy into saving yours*



## About Yara Marine Technologies

The company has since its origin in 2010 been a forerunner in the emission reduction technology industry, being the first company offering the inline SOx scrubber to the marine segment.

With more than 300 scrubber systems delivered and millions of successful operating hours, the company has an impressive amount of experience in the marine exhaust gas cleaning industry, delivering scrubbers to all the major marine segments from cargo to passenger vessels.

Regardless of vessel and engine type, Yara Marine can deliver the best solution for reliable and cost-efficient IMO compliance.

Yara Marine has offices in Sweden, China and HQ in Oslo, Norway.

[www.yaramarine.com](http://www.yaramarine.com)