



Innovating for quality

Innovations and increased efficiency is a must to stay ahead in a leading position. Ramnäs Bruk would not be in successful operation since 1590, and in offshore mooring market for over 40 years, if we didn't continuously consider our customers future needs and improved our products and services.

In Ramnäs Highlights 2011 we present to you our new unique innovations that further increase safety and lifetime of your mooring systems with Ramnäs products. Safety and quality have always highest priority at Ramnäs, in line with the development of the leading companies within the offshore industry.

As you know, the only way to success is a team of dedicated and well experienced colleagues. Several persons within the Ramnäs team have decades of offshore mooring experience, you probably know them since long. Some try their wings in other businesses but finds their way back to Ramnäs again. Latest example is our new production manager Mr Krister Wästborn who returned to Ramnäs last year.

Within the offshore industry we all work globally. To ensure local service we have within the Ramnäs team local representatives. As new Ramnäs representative in Houston we are happy to introduce the well known Vryhof Anchors subsidiary Moorwest.

Our Ramnäs staff shall have the best possible working environment and in March we inaugurated our new office building. We hope to have you as our valuable guest in our new building within short.



Magnus Westher
President



Supersonic Corrosion Protection

Offshore chain is particularly sensitive to corrosion in the splash zone. Supersonic Corrosion Protection will reduce peak-corrosion in the splash zone to the same level as for the bulk of the chain.

Chain coated with aluminum obtains cathodic protection. Surface coating gives longer life or reduced chain dimensions due to less corrosion allowance, while maintaining durability and thus provide a lifecycle cost saving.

The alternative method TSA (Thermal Sprayed Aluminum) gives a weak adhesion to the substrate and is porous. To protect and get the layer to cope with the environment, a painting with epoxy or silicone has to be done. Thereby it destroys the ability of the coating to act as cathodic protection, and consequently requires a 100% coverage to

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get a good corrosion protection. Aluminium added with supersonic speed ensures adhesion to the substrate.

The Supersonic cathodic protection does not require 100% coverage, if for example, only 70% of the surface is covered, effective protection can be obtained. We have shown that even in splash zone a good cathodic protection is possible and by which the corrosion rate might be reduced four times. Supersonic Corrosion Protection provides cathodic protection without the risk of hydrogen embrittlement.