

Strong Corrosion Performance of Copper Alloys Highlighted at Marine Conference Marine

alloys, corrosion, marine

Copper Development Association will make an invited presentation—Metals in Marine Environments: Corrosion Behaviour and How to Spot It—to the International Institute of Marine Surveying at this year's Seawork International Show and Conference, with a focus on the strong contribution copper alloys can make to marine engineering.

Despite rusting, steel remains the most widely-used engineering metal in the offshore, marine and maritime sectors. Specialist alloys are often chosen for economically important or safety critical applications, and it pays to understand that even these have their limits and particular strengths.

Copper alloys—such as copper-nickels and nickel aluminium bronzes—see wide use in sectors including marine, oil and gas, offshore renewables and thermal desalination plants. Their high corrosion and biofouling resistance means they are commonly used for piping, valves, pumps and heat exchanger tubing.

CDA's presentation will highlight the benefits of copper alloys under marine conditions, where other materials have problems, and the growing complexity of corrosion issues. Whilst considered traditional materials, these alloys have been improved over recent years as a result of better understanding and more demanding service requirements, and the presentation will provide the latest picture of these developments.

Seawork International is Europe's largest commercial workboat show and conference. Taking place 13–15 June, it offers a one-stop shop for the commercial marine sector, providing a unique opportunity to see the latest solutions for businesses in the commercial marine industry all in one place.

Visit www.coppernickel.org for more information on copper-nickels, with a focus on their use in the marine environment.

About CDA

Copper Development Association is a non-profit organisation that promotes and supports the use of copper based on its superior technical performance and its contribution to a higher quality of life. Its services, which include the provision of technical advice and information, are available to those interested in the utilisation of copper and copper alloys in all their aspects. The Association also provides a link between research and the user industries, and is part of an international network of trade associations: Copper Alliance.