

Copper base alloys, stainless steels and nickel alloys are widely used in marine industries and provide a range of corrosion resistance, mechanical strengths and biofouling properties. This seminar will provide engineers with a unique opportunity to overview the behaviour of these metals and gain an understanding of the requirements to achieve long term performance. Guidelines for selection, fabrication, commissioning and operational practices will also be provided. These seminars are jointly sponsored by Copper Development Association and Nickel Institute and accredited for CPD by the Institute of Materials, Minerals and Mining.

Who should attend

Anyone involved in the design, specification, fabrication and operation of materials in contact with seawater and the marine environment in the following industries:

- ◆ Wave and Tidal Energy
- ◆ Offshore Wind Energy
- ◆ Offshore Oil/Gas
- ◆ Ship Building and Repair

What you will gain

- ◆ 1-2 hours quality CPD at your convenience
- ◆ An understanding of the corrosion behaviour of copper nickels and other copper base alloys, stainless steels and high nickel alloys
- ◆ An awareness of the biofouling resistance of copper alloys in marine applications
- ◆ An understanding of the design, fabrication and commissioning issues for long service life
- ◆ A unique opportunity to meet leading industrial experts and discuss your material issues
- ◆ A free literature pack covering design, properties and applications.

Who to contact

A CPD event can be tailored to suit your needs. To discuss your requirements please contact Bryony Samuel on 01442 275705. Alternatively, complete the form overleaf and fax back or return by post or email to bryony.samuel@copperdev.co.uk.

About CDA and NI

Copper Development Association and Nickel Institute are members of the Marine Corrosion Forum, and also the Copper Nickel Task Group, a panel of international industry experts with a website that features peer-reviewed technical information and practical guidance on copper nickel alloys (www.coppernickel.org).



Reply Form

Please select your requirements from the list below:

- Please contact me to arrange an in-house CPD presentation. Presentations run from 1-2 hrs, depending on the programme. I am interested in the following presentations:

- Corrosion behaviour of metals in seawater - Carol Powell, Copper Development Association**
Overview of metals and their relative resistance to seawater, covering general and localised corrosion, velocity effects, de-alloying, stress-cracking, galvanic behaviour and biofouling.

- Copper nickel alloys in marine environments - Chris Dilnot, Copper Technology Ltd**
Copper nickel is the most widely used copper alloy for seawater handling. Important points are considered to ensure successful application.

- Stainless steels and high nickel alloys - David Jordan, Nickel Institute**
Details of alloy grades, relative corrosion resistance, metallurgy and selection guidelines.

- Copper alloys - Carol Powell, Copper Development Association**
Overview of traditional marine alloys: bronze, brass, gunmetals and copper beryllium.

- Weld fabrication and design - David Jordan, Nickel Institute**
Good welding and fabrication practices for copper nickels, stainless steels and high nickel alloys.

- I am interested in another topic for an in-house presentation (please specify)

Can we help in any other way?

- Please contact me regarding an alloy query
- Please send me a free technical literature pack

Title:First Name:Surname:
Position:Company:
Address:
.....
Town:Postcode:
Tel:Fax:E-mail:

Accredited for CPD purposes by The Institute of Materials, Minerals and Mining

Please fax back to 01442 275716

Tick here if you wish to be removed from CDA's mailing list for technical seminars, literature and news

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