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## **New Online Resource on Copper-nickels**

### **- The 'Workhorse' alloys for Marine and Offshore Applications**

A comprehensive international web site explores copper-nickel alloys and provides detailed information and solutions for designers, engineers, fabricators and users of these workhorse alloys.

Copper-nickel alloys are widely used for marine applications due to their excellent resistance to seawater corrosion and biofouling. In addition to decades of providing reliable service in such applications, they offer effective solutions to many of today's technological challenges, especially those involving today's cleaner waters and decreased chlorination levels.

Applications examined online include ship building and repair, condensers and heat exchangers, pipes, pumps, valves, water boxes, offshore oil and gas process facilities, desalination operations, nuclear and fossil-fuel power generation, protective sheathing and brake tubing, among others.

The site, [www.coppernickel.org](http://www.coppernickel.org), discusses the composition, physical and mechanical properties of each alloy, and their suitability to particular applications. Applicable standards (EN, ASTM and ISO) are identified for all product forms, along with thorough information on welding and fabrication. The site features a new interactive presentation 'Copper Alloys in Marine Environments', which has an optional narration and provides an easily digestible visual overview describing key properties, applications and guidelines for use.

The copper-nickel site is a collaboration between UK, German and U.S. Copper Development Associations (CDAs) and is a global resource for specifiers and users of this important group of alloys. If the site whets your appetite for further information then you could request an in-house CPD presentation from CDA UK to cover general properties, applications and design issues and answer specific project-related enquiries. For further information contact [helpline@copperdev.co.uk](mailto:helpline@copperdev.co.uk).

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