

OVERVIEW

Providing award winning engineering solutions for critical industries worldwide, Copper Alloys is one of the worlds most advanced and progressive materials engineering organisations. Independently owned, effective and creative, Copper Alloys combines exceptional technical expertise with industry leading quality management to consistently exceed customer expectations.

Global distribution and support network

Supporting prestigious engineering companies around the world, Copper Alloys works direct to ensure operational integrity and rapid manufacturing.

Optimising material selection

- Cost vs. benefit analysis
- Material selection advise and support

Engineering better mechanical solutions

Manufacturability Audit - For every component, Copper Alloys will review the most efficient method of producing the part or achieving component performance objectives. Take advantage of this free service before finalising design to maximise benefit for your organisation.

Defence industry expertise

World-leading best practise for critical seawater applications. Successful risk mitigation strategies. 100% right-first-time performance on the most difficult projects. Guaranteed defect free material.

Aerospace experience

AS9100 Rev C. approval.
All relevant supply chain approvals (Airbus, General Electric, Rolls-Royce, etc). All grades of Aluminium Bronze manufactured. Stocking for call-off agreements.

Offshore engineering experience

Guaranteed traceability to starting material. Development of high integrity wrought products designed to last longer and perform better. Highly efficient machining techniques to reduce risk and component cost.

New material technology - built for extremes

Leading the Great British Corrosion Project, Copper Alloys is at the forefront in understanding corrosion issues and the ability of all known metals to resist high corrosion environments. Innovation in metals is alive and kicking! Copper Alloys has designed a number of new alloys with unbeatable property combinations, developed to push performance beyond current limits.

7 things Copper Alloys does better than anyone else:

Metals that will stand the test of time

Unique processing techniques that guarantee higher integrity metal. Elite Alloys TM designed and developed to perform better than any other material.



THERMALLOY®



ELITE MARINE®



FREERUN®

High integrity material expertise

Copper Alloys	Nickel Alloys	Specialist Steels
Aluminium Bronze (CuAl)	Monel® K-500, 400, 502	UNS S20910
Cupro-Nickel	Nickel-based super alloys	XM-19
Silicon Bronze	Nickel-Copper alloys	NACE MR 01-75
All other bronzes		

Taking the risk out of complex machining

A single integrated source from furnace to assembly

- Low risk
- Low cost
- Greater control

Comprehensive certification document packs

A single documentation pack from raw material to finished part. Guaranteed absolute traceability to starting melt. Complete independent witness testing available.