



**WILLIAM COOK**







# A World Class company

"I am proud of William Cook. I built it up almost from scratch. To me the letters WC stand for 'World Class'. I believe we are, and we can prove it to our customers."

Sir Andrew Cook CBE, Chairman

William Cook companies design, manufacture and overhaul components and systems for applications where safety and reliability are critical. Whether public or private sector, UK or worldwide, William Cook customers all have one thing in common; they cannot afford to take risks.

For nearly two centuries William Cook's core competence has been casting steel. Today, most of William Cook's components and systems for defence, rail and other industries still call for high-specification alloys and superalloys.

William Cook's three main divisions, employing 500 people, generate revenues of £60m per year. The company's profitability, private ownership and lack of debt permit a consistent programme of investment.

This investment isn't just in William Cook's three advanced manufacturing plants. It's in university research, sponsored students and award-winning apprentices; investment that will keep William Cook World Class.





# Components and systems for applications where safety and reliability are critical

## Defence and rail

1. Cook Defence Systems tracks allow the world's most advanced armoured fighting vehicles to manoeuvre over the toughest terrain
2. Steering and suspension components from Cook Defence Systems protect British soldiers inside Foxhound patrol vehicles
3. Pressure vessels from William Cook Cast Products contain the superheated steam that powers the Royal Navy's nuclear submarines
4. Bogie components and brake discs from William Cook Rail keep high-speed trains on the tracks all over Europe
5. William Cook Rail wedgelock couplers connect the tube trains transporting five million passengers a day under London

## Approvals and accreditations

- ✓ ISO9001
- ✓ ISO14001
- ✓ ISO45001
- ✓ Cyber Essentials
- ✓ UK MOD Q1(N) naval steel castings
- ✓ UK MOD DEFSTAN 95-25 armoured steel castings
- ✓ Bundeswehr TL2350-0002 armoured steel castings
- ✓ JOSCAR
- ✓ ISO/TS 22163 (IRIS)
- ✓ RISAS
- ✓ RISQS
- ✓ EN15085 welding for railway vehicles
- ✓ Deutsche Bahn approved





# Components and systems for applications where safety and reliability are critical

## Energy, infrastructure and intermodal

1. William Cook Intermodal twistlocks and connectors secure some of the six million shipping containers crossing the world's oceans
2. Pumps made with corrosion-resistant casings and impellers from William Cook Cast Products turn seawater into drinking water in the Middle East
3. Nuclear waste containers from William Cook Cast Products are used to store radioactive material securely
4. Structural steelwork from William Cook Cast Products holds up the roof of Heathrow T5, designed by architect Richard Rogers
5. Chain stoppers and rollers from William Cook Cast Products keep offshore oil and gas platforms anchored to the sea bed

## Approvals and accreditations

- ✓ ISO9001
- ✓ ISO14001
- ✓ ISO45001
- ✓ ISO17025 (in progress)
- ✓ NORSOK M650 4A, 5A, 6A (sand and investment castings)
- ✓ EU Pressure Equipment Directive (PED)
- ✓ DNV GL offshore standards
- ✓ American Bureau of Shipping
- ✓ Lloyd's Register of Shipping
- ✓ EN10340 Construction Product Regulations
- ✓ Fit4Nuclear
- ✓ ISO1161 fittings for freight containers





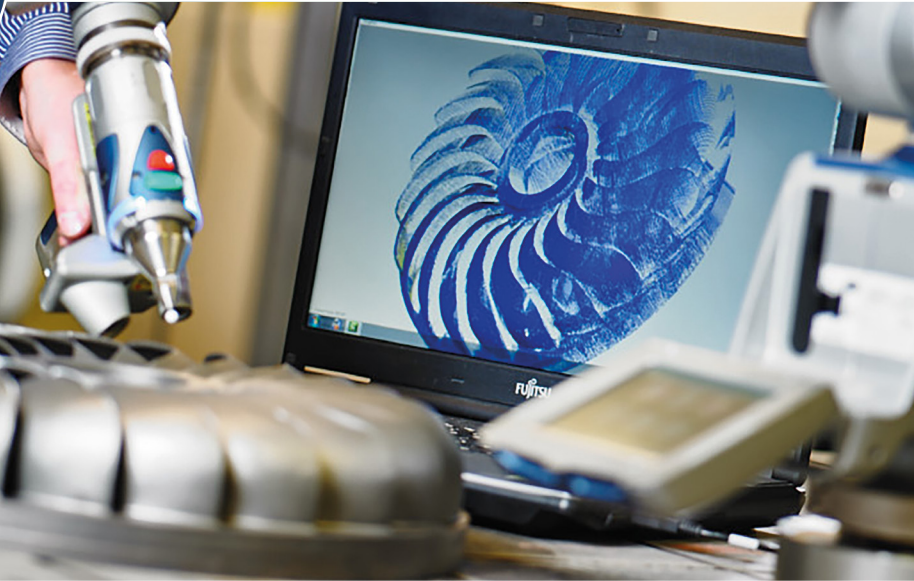
# Advanced design, manufacturing and control

## Design and development

- Computer Aided Design and Finite Element Analysis
- MAGMA fill and solidification simulation
- CNC pattern and toolmaking
- 3D scanning for reverse engineering
- Integrated 3D printing and investment casting process
- Rig testing of tank tracks and railway couplers

## Manufacturing and control

- Chemical analysis and mechanical testing
- Non-destructive testing including digital radiography up to 9-MeV
- Sand-moulded castings from 1kg to 12,000kg
- Investment castings from 0.1kg to 250kg
- AOD refinement for specialist steel and nickel alloys
- Heat treatment
- Over 30 modern CNC machining centres
- Machining parts up to 60,000kg
- Fabrication and assembly
- Mechanical, pneumatic and electrical overhaul





## Cook Defence Systems

Track systems and armour for fighting vehicles

Stanhope,  
Co Durham, DL13 2YR  
England  
Phone: +44 (0)1388 528 248  
Email: sales@cookdefencesystems.co.uk  
Email: sales@cook-intermodal.co.uk

## William Cook Intermodal

Securing and handling devices for containerised freight

Stanhope,  
Co Durham, DL13 2YR  
England  
Phone: +44 (0)1388 528 248  
Email: sales@cookdefencesystems.co.uk  
Email: sales@cook-intermodal.co.uk

## William Cook Rail

Coupler systems and bogies for trains

Cross Green,  
Leeds, LS9 0DX  
England  
Phone: +44 (0)1132 496 363  
Email: rail@cook-rail.co.uk

## William Cook Cast Products

Cast components in specialist alloys and superalloys

Parkway Avenue,  
Sheffield, S9 4WA  
England  
Phone: +44 (0)1142 731 252  
Email: castproducts@william-cook.co.uk

## ADA Machining Services

Machining of heavy castings, forgings and fabrications

Unit 3, 3a & 12 Kayley Industrial Estate  
Ashton-under-Lyne, OL7 0AU  
England  
Phone: +44 (0)161 339 3221  
Email: mail@ada-ms.co.uk



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GLASGOW STEEL WORKS, WASHFORD ROAD, SHEFFIELD.

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Diameter of Saw.	Thickness of Plate in Centre.	Thickness of Plate on Tooth.	Depth of Swage.	Whether the Swage is to be on right or left hand side of Saw.	Size of Hole.	Size of Pin Way, if any.	Distance of Hole to edge, thus	Shape of Teeth. See series in this List.	Spac. Teeth. to P.
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Prices of Swaged and Perforated Saws, as above list, subject to discount.

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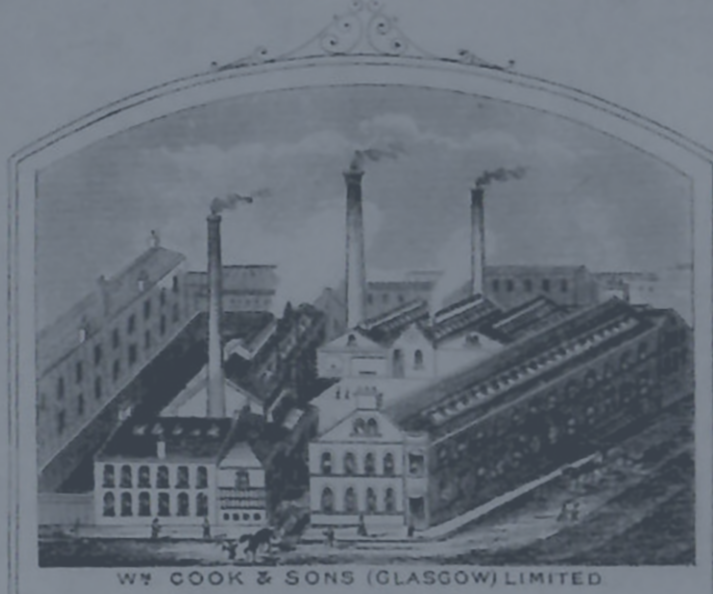
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