POLAR TECHNOLOGY

29/07/2026

Welcome

Polar Technology is an engineering business operating at the leading edge of composite and metallic technology.

We offer enabling, durable and lightweight solutions that are ideally suited for critical, demanding applications, world-class engineering support throughout the design and development of each component and significant expertise in both composite and metallic technology, facilitating complex, hybrid projects.

In this edition of our quarterly newsletter, we will look at the launch of an innovative new technology, details of an exciting new collaboration, and much more!

Launch of New Market-Ready Electroformed Leading-Edge Protection for Composite Structures

During Farnborough Airshow last week, Polar Technology and Ultima Forma announced the successful completion of the Leading-Edge Electro-Forms (LEEF) project, an Innovate-UK funded collaboration to develop and validate a market-ready electro-formed leading-edge protection solution, that significantly improves the capacity of composite structures to withstand erosion, impact and corrosion.

The LEEF project has demonstrated a significant step change in erosion resistance, exhibiting an 88-fold improvement in erosion resistance compared with unprotected composite structures, and delivering a 64% lower erosion rate than equivalent titanium solutions.

Find out more

Business Updates

Collaboration with IFA on Hybrid Composite-

Metallic Gears

Polar Technology and Independent Forgings and Alloys Ltd (IFA) are combining their technical expertise and industry experience to provide a market-ready, lightweight solution for the Aerospace and Defence industries, as well as an integrated supply chain.

Find out more

Passing ISO:14001 Audit

We recently had our ISO:14001 Environmental Management Systems (EMS) Surveillance Audit, and we're delighted to say we passed all checks with no major findings.

Positive Feedback from Customers

We've received some positive feedback from customers from across a variety of end-markets in the last few months:

"Hard work, collaboration, and commitment shown by all parties have achieved a quick and efficient outcome. Your efforts have made a real difference and are very much appreciated."

- Leading Aerospace and Defence Customer

"Every component delivered, every engineering discussion, every late turnaround and every challenge overcome has contributed to putting our car on the top step of the podium. We are incredibly grateful for your support and for the pride you have taken in the programme."

- Leading Formula E Constructor

People Updates

We hosted our annual Summer BBQ in July, as a thank you to all colleagues for their efforts in the first half of the year. We had food provided from Burnout BBQ, and played a fun game of Family Fortunes!

Our HR Team were also busy organising a packed schedule for Men's Health Week back in June, including launching our wellbeing app, hosting our first ever 'Sausage Roll-only' Bake Sale, and much more.

Insights

The Key Requirements for Naval Technology in the Modern Era

Polar Technology offer significant expertise in the design and manufacture of complex composite structures, establishing themselves as a key supplier in the ongoing evolution of naval technology.

Read full article

Upcoming Events

Uncrewed Systems Network-Technology
4th September

Go to Event

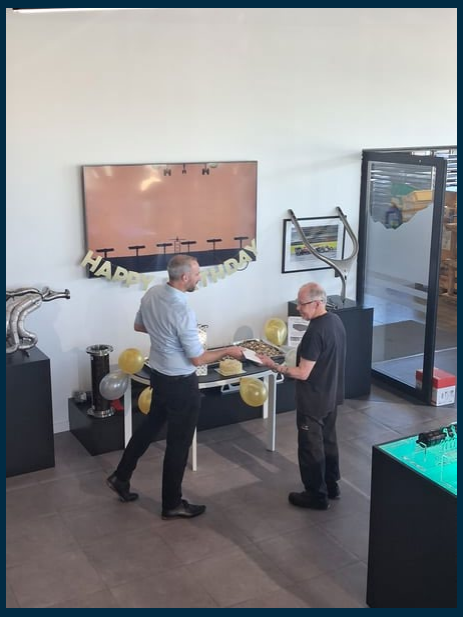
Advanced Engineering 2026
4th-5th November

Go to Event

Make UK Defence Summit
18th-19th November

Go to Event

Did you know?



We celebrated a rare milestone at Polar Technology recently- our first octogenarian!

Greg, who has worked for us as in Production Support for over fourteen years, recently reached this milestone and we marked the occasion with a special presentation in Reception, making sure Greg was the centre of attention!

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