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02/07/2025

The Leading Edge

Welcome



Polar Technology is an engineering business operating at the leading edge of composite and metallic technology. Our vision as a business is to create enabling technologies for a safer, sustainable future for us all.

We deliver innovative, technology-based solutions around advanced composite materials, emerging metal processes and metallic fabrications, through our brands [Lentus Composites](#) and [SST Technology](#), from the Horizon Technology Park in Oxfordshire, UK.

In this latest edition of our quarterly newsletter, we will showcase our upcoming networking event, hosted in partnership with Make UK Defence, focus on our *Lightweight Structures* product theme and highlight other recent business updates, which include a new award and a strategic upgrading of our Additive Manufacturing facilities.

Please read on to find out more...

Visit our website

**Make UK Defence Member Networking Event:
“Advanced Composite and Metallic Technology”
*26th November 2025***



MEMBER NETWORKING

Wednesday 26th November 2025
09:30 - 14:00 | Oxfordshire



Polar Technology and Make UK Defence are delighted to co-host an exclusive member networking event centred around the theme of "Advanced Composite and Metallic Technology."

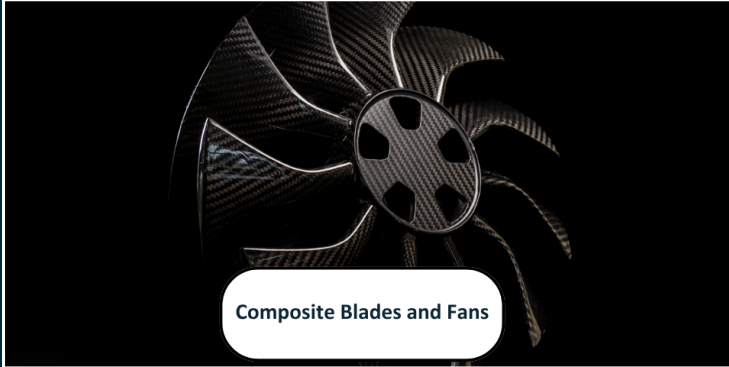
Some typical benefits of these technologies include improved overall system efficiency and performance from: lightweight low inertia drivelines, market leading pressure vessel storage efficiency, vehicle safety roll over protection, thermal management and system durability integrity amongst others.

We are excited to share our unique offering to the sector and facilitate the networking and sharing of ideas as the defence industry enters a pivotal, propitious moment.

For fellow Make UK Defence members, you can book your ticket on the button below. If you are not a member, but would still like to attend, then please email george.brown@polartechology.co.uk

Book tickets now

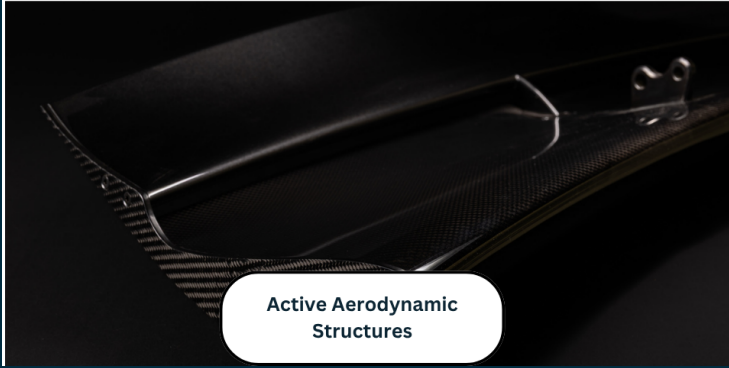
Product Spotlight: Lightweight Structures



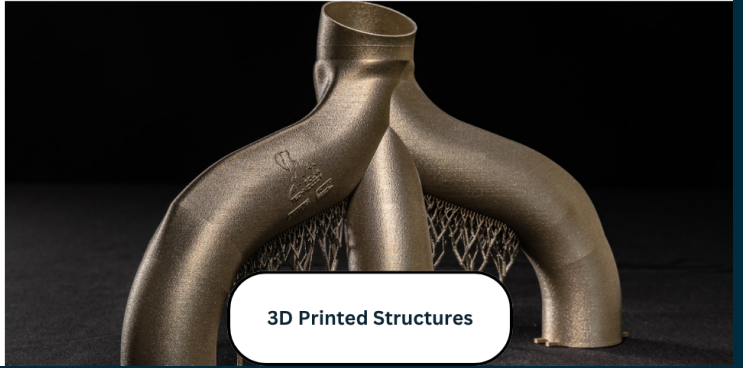
Composite Blades and Fans



Safety Critical Structures



Active Aerodynamic
Structures



3D Printed Structures

We have significant expertise in composite and metallic technology and that allows us to provide solutions with greater weight efficiency, an essential ingredient for both terrestrial and airborne applications.

Our Product Portfolio includes:

- Composite Blades and Fans- lightweight, co-cured blades and fans designed to meet demanding specifications.
- Safety Critical Structures & Subframes- High precision fabricated components that are resistant to harsh environments.
- Active Aerodynamic Structures- We provide visual-quality, aerodynamic composite structures, offering a complete manufacturing process including laminating, assembly and paint.
- 3D Printed Structures- We specialise in integrating ALM components into larger assemblies, ensuring minimal weight and material costs, whilst maximising durability.

Find out more

Business Updates

Awarded Breakthrough Culture Award



We were delighted to be awarded a Breakthrough Culture Award.

The Breakthrough Culture Awards are run by Hyer and are a 12-month certification designed to recognise the next wave of UK companies who are passionate about creating a thriving workplace.

Supplying Components at Iconic Motorsport Races



It's been so exciting to see our components being showcased at two of the world's most famous motorsport races recently: the Indycar 500 and the 24 Hours of Le Mans.

We supply many of the constructors on the grids with both composite and metallic parts, showing how we're enabling technologies at the pinnacle of motorsport performance.

Strategic Repositioning of Facilities



We're currently undergoing a transition of some of our facilities on-site, including moving our Additive Manufacturing department to available space in Building 1.

This is designed to accommodate future expansion opportunities, with the potential of two extra machines being added to our existing ALM facilities.

People Updates



We've been getting involved in lots of fundraising opportunities to raise money for our chosen charity this year, Helen and Douglas House.

This includes "Wear It Green Day" which took place during Mental Health Awareness Week, a charity bake sale and a wellbeing walk.



Finally, we have recruited 10 new employees into the business in the last few months, including Chris Cholmeley, who is joining us as Filament Wound Engineering Manager.

In The Media



**“Polar Technology
receives BAE
Systems’ Gold Tier
Award”**

[ADS Advance](#)

[Read article](#)



**“Polar Technology
awarded
Breakthrough Culture
Award”**

**[The Banbury
Guardian](#)**

[Read article](#)



**“Filament winding
solutions for
demanding
environments”**

**[JEC Composites
Magazine](#)**

[Read article](#)

Upcoming Events

Cenex Expo
3rd-4th September
2025

[Go to event](#)

DSEI
9th-12th September
2025

[Go to event](#)

**International
Composites
Summit**
17th-18th September
2025

[Go to event](#)

Did you know...

To further expand our CNC machining services, we also have a specialist composite machining facility in Bicester.



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