

# NATEP

National Aerospace Technology Exploitation Programme

## REACH Projects



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Project	Supply chain partnership	Contact
<b>Prep'ing Composite Moulds with Lasers For Enhanced Productivity and Quality</b>	<ul style="list-style-type: none"> <li>• Advanced Laser Technologies Ltd</li> <li>• CNC Robotics</li> <li>• Cobham Antenna System (customer)</li> <li>• EPM Technology (customer)</li> </ul>	Roger Hardacre – Managing Director roger.hardacre@atllaser.co.uk
<p>The project will develop an advanced system that can clean, polish and repair moulds made of metal or composite used to produce composite parts. The intention is that a successful outcome will lower supply chain costs &amp; improve productivity of skilled labour by developing an automated technology for cleaning composite material moulds The system can be in a bureau format for low frequency users, or for high frequency users it can be a factory based solution.</p> <p><b>NATEP Grant £150,000</b></p>		

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<b>Lead-Free Detonating Cords</b>	<ul style="list-style-type: none"> <li>• Chemring</li> <li>• Brunel University</li> <li>• Martin Baker Aircraft (customer)</li> </ul>	Andrew Bentley - BD Technology & Innovation Executive – Devices andrew.bentley@chemringenergetics.co.uk
<p>The identification of suitable alloys and manufacturing processes to replace lead in the explosive detonating cords used in aircraft and space launch vehicles.</p> <p><b>NATEP Grant £128,890</b></p>		

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<b>Biocomposites for Aerospace Interiors (BAIT)</b>	<ul style="list-style-type: none"> <li>• Net Composites Ltd</li> <li>• AIM Composites</li> <li>• Composites Evolution</li> <li>• AIM Cabin Interiors (customer)</li> </ul>	Anthony Stevenson – Project Manager anthony.stevenson@netcompostes.com
<p>The project will develop pre-impregnated (“Prepreg”) composite materials for aerospace interior applications that are based on a novel 100% bio-based fire-safe resin system that provides an alternative to conventional petrochemically-derived phenolics</p> <p><b>NATEP Grant £146,570</b></p>		

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<b>Enterprise Bio-Interiors Project</b>	<ul style="list-style-type: none"> <li>• SHD Composite Materials Ltd</li> <li>• AIM Aviation Ltd</li> <li>• Ipeco Composites (customer)</li> </ul>	Nick Smith – Technical Director nsmith@shdcomposites.com
<p>The innovative technology to be developed is a water based resin pre-impregnated glass fibre composite material (prepreg) giving good Fire Smoke and Toxicity (FST) properties for the aircraft interiors market.</p> <p><b>NATEP Grant £74,500</b></p>		