

NATEP

National Aerospace Technology Exploitation Programme

Big Data Projects



NATEP Big Data Projects

Project	Supply chain partnership	Contact
Supply Chain Excellence Data Streamlining (SCEDS)	<ul style="list-style-type: none"> • Prion Cutting Edge • Rule IQ • Assystem UK Ltd (customer) 	Mark Cella – Business Developer PLM mcella@prioncuttingedge.co.uk
<p>SCEDS is the new affordable technology platform that shares aerospace project data, which is centrally located and secure, with an extended supply chain (SMEs), reducing the risk of costly design and manufacturing mistakes</p> <p>NATEP Grant £150,000</p>		

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Valuechain.com –connecting the Aerospace Supply Chains	<ul style="list-style-type: none"> • Valuechain.com • Techni Grind Machining • Hyde Coatings Ltd • Alcoa (formerly RTI Forming) (customer) 	Tom Dawes – Director tdawes@valuechain.com
<p>The Valuechain.com project provides multi-tier connectivity and visibility within the aerospace supply chain through an integrated cloud-based collaborative platform to streamline inter-company operations and develop competitive high value manufacturing extended enterprises.</p> <p>NATEP Grant £150,000</p>		

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Aircraft Ditching Loads Prediction Tool	<ul style="list-style-type: none"> • Stirling Dynamics • University of Southampton • Bombardier(customer) 	Dr Simon Hancock - Research & Development Manager shancock@stirling-dynamics.com
<p>This project will produce a method and tool to predict the loads experienced by an aircraft when ditching in water. This will cover a range of aircraft configurations and could be used by any aircraft manufacturer.</p> <p>NATEP Grant £166,850</p>		

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Whole-field simulated/ experimental data comparison	<ul style="list-style-type: none"> • Enabling Process Technologies Ltd • Strain Solutions Ltd • Airbus Operations Ltd (customer) 	Dr John Philip Tyler – Director philip.tyler@eptworld.com
<p>This project will develop a new method for the full-field comparison between experimentally derived digital image correlation displacement/strain data and finite element simulation results from aerospace structures, incorporating an innovative and fully automated coordinate transformation approach.</p> <p>NATEP Grant £77,000</p>		

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SafePilot Weather Watch	<ul style="list-style-type: none"> • Blue Bear • Met Office • Hybrid Air Vehicles (customer) • e-Go (customer) 	Andrew Berry andrew.berry@bbsr.co.uk
<p>SafePilot Weather Watch is an electronic decision aid for manned aircraft (and an automated planning tool for unmanned aircraft) that enhances tactical and strategic route planning to make operations safer and more fuel efficient</p> <p>NATEP Grant £95,000</p>		

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Risk Aware Mission Planning (RAMP)	<ul style="list-style-type: none"> • TEKEVER Ltd • ROTRON Power Ltd • Sovereign Global(UK) Ltd (customer) • European Maritime Safety Agency, Lisbon (customer) 	Paul Webb – Managing Director paul.webb@tekever.com
<p>UAV market as applied to Search & Rescue, civil surveillance, environmental monitoring. Maritime vessels, land systems, planetary rovers.</p> <p>NATEP Grant £150,000</p>		

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Secure Authentication & Flight Evidence Recorder (SAFER)	<ul style="list-style-type: none"> • The Great Circle Ltd • Distributed Management Systems Ltd • University of Central Lancashire • ProFlight UAV Suppliers (customer) 	Adam Berrington – Director adam@thegreatcircle.co.uk
<p>Project SAFER (Secure Authentication & Flight Evidence Recorder) exploits a number of recent innovations in encryption and authentication technology, together with the power of the 'cloud' to create a novel UAV pilot authentication system, which logs and communicates flight hours and flight data.</p> <p>NATEP Grant £ 146,780</p>		

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Machine Connectivity & Manufacturing Intelligence	<ul style="list-style-type: none"> • ATS UK • Hitex Ltd • Arrowsmith Engineering (Coventry) Ltd (customer) 	Martin Kelman – Senior MES Consultant martin.kelman@ats-global.com
<p>The project will create a highly cost effective Machine Connectivity Module (MCM) which connects and monitors manufacturing processes using the latest technology in the fields of; embedded sensors, wi-fi communications and android based data processing & display platforms</p> <p>NATEP Grant £150,000</p>		

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BOXARR – Supply Chain Risk Analysis	<ul style="list-style-type: none"> • BOXARR Ltd • I3 Works • Airbus (customer) 	Alasdair Pettigrew- CEO Alasdair.pettigrew@BOXARRplanning.com
<p>The project is developing an automated supply chain risk alert system- further strengthening BOXARR's industry leading supply chain modelling, analysis and optimisation solution</p> <p>NATEP Grant £150,000</p>		