



TECHNOLOGY
BROKER

United
Kingdom



JOINING
INNOVATION
AND EXPERTISE

ESA Technology Broker UK and Prepare for Space

Vito Di Pietro,
ESA BSGN Advanced Materials Webinar

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Non-profit distributing, membership driven RTO

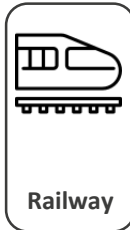
- 100 years of heritage
- 630+ Industrial Members
- 650+ staff globally
- 2000+ professional members
- 4 main UK R&D centres, international presence



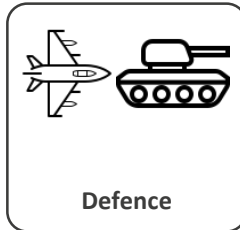
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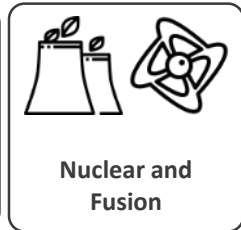
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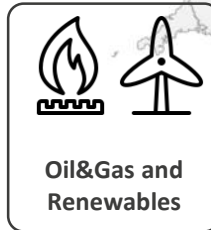
Railway



Defence



Nuclear and
Fusion



Oil&Gas and
Renewables



Middlesbrough

Modelling and simulation, welding, underwater welding training



Rotherham

Laser additive manufacturing and friction stir welding



Cambridge HQ

Structural integrity labs, welding, NDT. NSIRC, innovation centres.

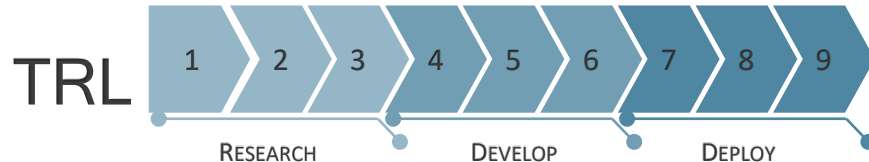
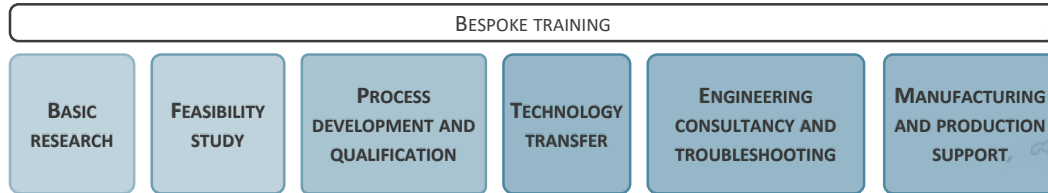


Port Talbot

State-of-the-art NDT

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Port Talbot

State-of-the-art NDT

TECHNOLOGY DOMAINS

ADVANCED MANUFACTURING TECHNOLOGIES



ARC WELDING ENGINEERING
ELECTRON BEAM WELDING
FRICTION WELDING PROCESSES
THERMAL PROCESSES
LASER WELDING & CUTTING
PROCESSES
LASER ADDITIVE MANUFACTURING
NUMERICAL MODELLING AND
SIMULATION

MATERIALS AND STRUCTURAL INTEGRITY



MATERIALS PERFORMANCE &
FERROUS ALLOYS
CORROSION TESTING
STAINLESS STEELS & NON-FERROUS
ALLOYS
ASSET INTEGRITY MANAGEMENT
FRACTURE INTEGRITY MANAGEMENT
FATIGUE INTEGRITY MANAGEMENT
THERMAL SPRAY & SURFACING

POLYMER AND COMPOSITE TECHNOLOGIES



POLYMERS & ELASTOMERS
FUNCTIONAL COATINGS & RESINS
ADHESIVES & SEALANTS
COMPOSITES

NON-DESTRUCTIVE TESTING

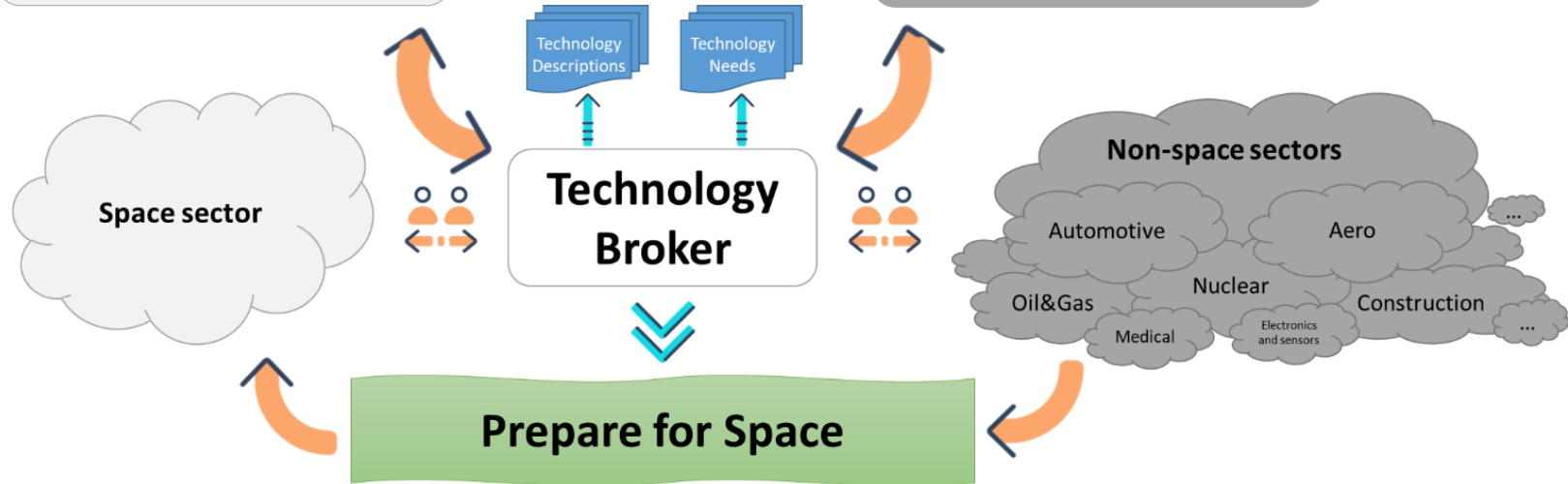


LONG RANGE ULTRASONIC TESTING
NON-DESTRUCTIVE TESTING
NDT VALIDATION
CONDITION & STRUCTURAL HEALTH
MONITORING

TWI is the ESA Technology Broker in the UK

- 15 regional space clusters
- UK space agency
- Space trade association
- Space digital communities
- ESA Commercialisation Network

- Industry trade associations
- TWI Industrial Members
- Other RTOs, universities and research entities
- ESA Commercialisation Network



Examples of Services for Prepare for Space

BUSINESS SERVICES

Market Analysis

Business Case Development

Long-term Coaching

Funding Guidance

Networking Opportunities

Marketing as a Service

TECHNICAL SERVICES

Technology Assessment

Space Qualification

Prototyping and Testing

Collaborative Research

Technology Transfer

Guidance

Training and Workshops

Next steps

- **Do you have a product, service or technology with potential to spin in or out the space industry?**

Get in touch with us now by writing at contactus@esa-technology-broker.co.uk



OFFICIAL WEBSITE

www.esa-technology-broker.co.uk

- **Prepare for Space Open Call is open for submission!**

Arrange a meeting with us by writing at prepareforspace@esa-technology-broker.co.uk

LINKEDIN SHOWPAGE

<https://www.linkedin.com/showcase/esa-technology-broker-uk/>



Engage with the future of space manufacturing



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