

#### Materials Joining and Engineering Technologies



#### **Mission**

To provide Industry with authoritative and impartial expert advice, knowhow and safety assurance through engineering, materials and joining technologies





# **Helping industry achieve**

- improved efficiency
- reduced costs
- better reliability & safety
- innovative products and processes





# **TWI Adds Value Through...**

- Access to World renowned expertise
- Technical support & consultancy
- Technology transfer
- Training and assessment
- World class innovation



Friction Stir Welding of Steel





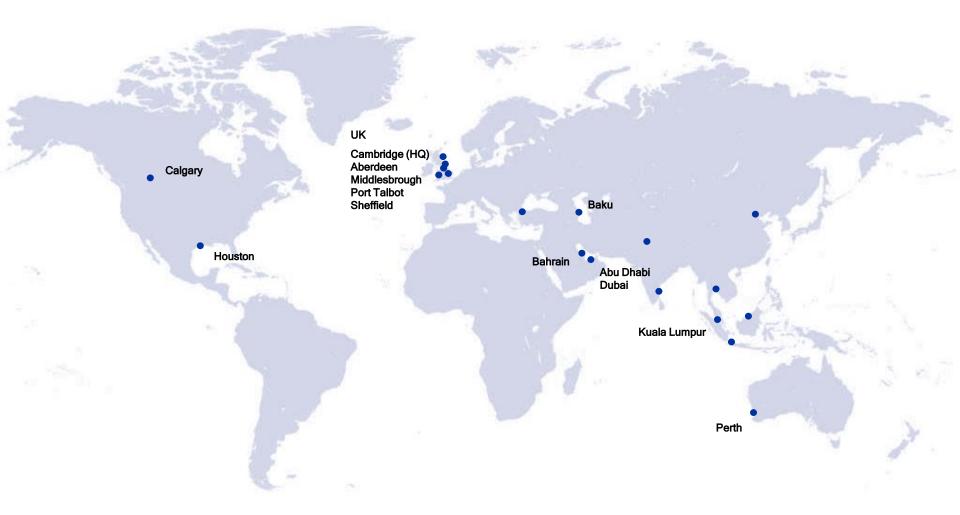


- Five UK technology centres
- 14 international training centres
- £80m of R&D in materials joining, structural integrity and NDT
- 700 Industrial Members in 4500 locations worldwide
- Over 900 staff



#### Global Network Training and Technology Centres





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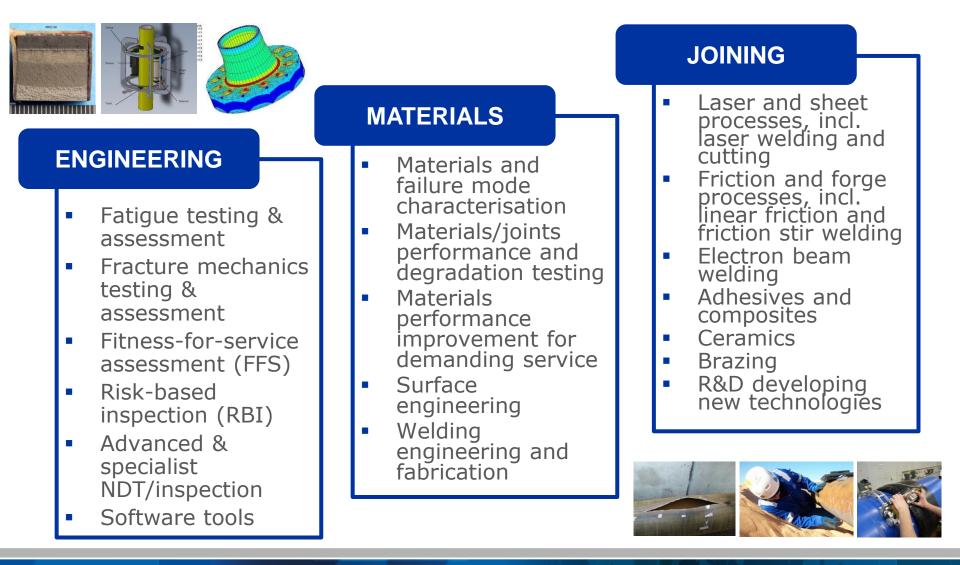


### **Extensive Outreach**

- 800 confidential projects per year
- 150 ongoing industry-led research projects
- 18,000 training and examinations students per annum
- 5000 new technical abstracts per annum
- Representation on over 100 standards committees



## **Key Technologies and Expertise**





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# **Through Life Support**

- Process Development
  - Fitness for purpose
  - Bespoke support (key items or turnkey solutions)
- In service
  - Inspection and condition monitoring
  - Failure analysis
  - Damage assessment & repair technologies
- Support for key staff
  - Training & Certification
  - Engineering Support
  - Technical Helpdesk

# TWI

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