A CATALYST FOR INNOVATION

R&D CENTRE FOR ADVANCED ENGINEERING MATERIALS

BRIDGE

BRIDGE to Business Innovation

Work with us to drive innovation in your business and join our growing networks of science and engineering professionals.

We help you access technologies and methods at the forefront of research to create R&D solutions, to provide effective problem solving and to develop workforce through accredited training.

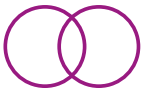
Hosted by the University of Lincoln, Bridge is a not-for-profit facility with specialist spaces hosting advanced instrumentation, purpose-built laboratories and training and innovation suites designed to ease access for businesses to all aspects of materials innovation.

BRIDGE to Modern Innovation Approaches

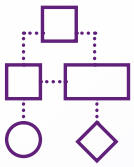
With interlinked programmes, each designed to increase businesses' competitiveness, Bridge promotes innovation to all businesses (from SMEs to multinationals) and connects regional and international supply chains to cutting-edge materials science and engineering.

We deliver collaborative enterprise in a new-build facility through support from the European Regional Development Fund (ERDF) and the Greater Lincolnshire Local Enterprise Partnership (GLLEP). Bridge operates from the University of Lincoln with an experienced team of R&D specialists working alongside a consortium of business professionals and the University's academic community.

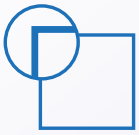
Bridge innovation workflows:



CONSULTATION AND 1-2-1 SUPPORT FOR BUSINESS DEVELOPMENT

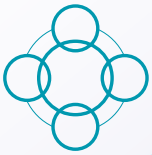


CREATION OF NEW PROCESS AND PRODUCT INNOVATION WITH OUR DEDICATED BRIDGE TEAM AND R&D PARTNERS



MATERIALS RESEARCH AND INNOVATION

EXPERT USE OF INSTRUMENTATION AND MATERIALS ENGINEERING LABORATORIES



BUSINESS NETWORKING AND COLLABORATION

TRAINING AND PROFESSIONAL DEVELOPMENT

Bridge connects companies with like-minded businesses, with academia and with professional institutes, positioning businesses to compete on the world stage at the forefront of innovation. Our process builds on an initial 1-2-1 consultation, roadmapping potential programmes from small-scale interventions (e.g. market consultation, failure analysis, product deformulation) to large-scale projects (e.g. new product development, bespoke training).

BRIDGE to Materials Research and Innovation

Partner with us to access leading research and development technologies.

Bridge can address your advanced materials needs and that of the wider UK's manufacturing sector. We achieve this by giving you access to world-class R&D at the interface of science and engineering and, through links to all departments at the University of Lincoln and a consortium of industry R&D partners, we access expertise spanning the majority of industry sectors e.g. advanced materials and engineering, chemical, pharma and healthcare, manufacturing, digitalisation, energy and net-zero, packaging, and sustainability, amongst others.

Our key technology areas include:

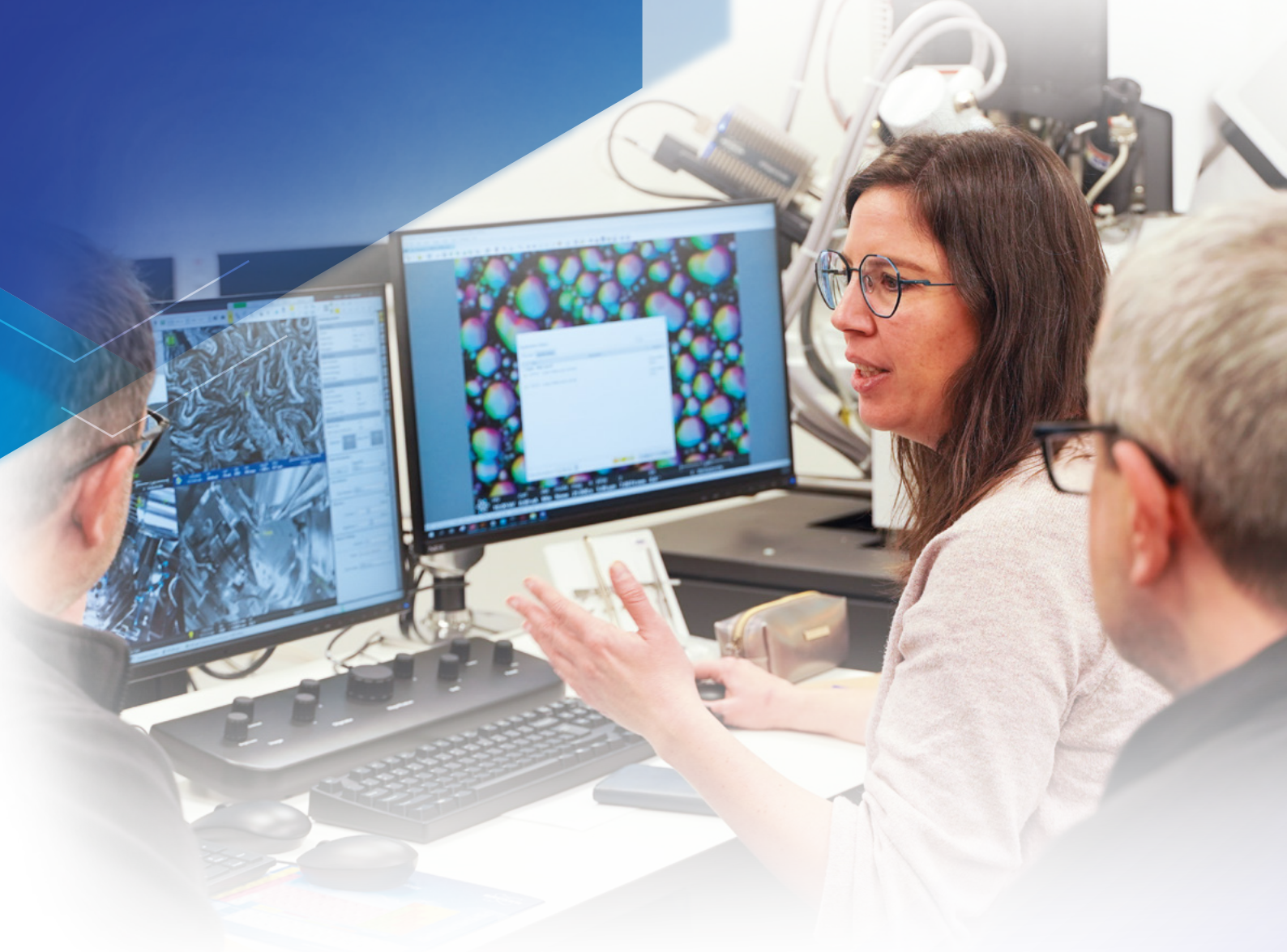
- Manipulating materials, surfaces and interfaces
- Designing formulated materials and interrogating ingredient interactions
- Controlling crystallisation and ordering in materials structure
- Energy capture and storage through control of material electronic properties
- Green processes including new replacement chemistries, waste valorisation methods and process circularisation

> noun 'brij'
>
> a structure carrying a pathway or roadway over a depression or obstacle; something that makes it easier to make a change from one situation to another.

New Methods & Advanced Instrumentation

Bridge provides access to state-of-the-art instrumentation and laboratory workspaces. Our scientists and engineers are experienced in delivering cutting edge insight into materials including:

- Morphology, topology and elemental composition and distribution using advanced electron microscopy
- Surface speciation and performance with advanced atomic force microscopy and tribology testing methods
- Molecular speciation, stability and transformation with advanced molecular spectroscopy, chromatography, and mass spectrometry
- Materials structure and process modification with in-situ X-ray diffraction and thermo-spectroscopic methods
- Simulating and correlating product performance with innovative computational methods



BRIDGE to Tailored Professional Development

We bridge multiple skills gaps with specialist training and Continued Professional Development (CPD) programmes.

Bridge houses a dedicated training facility with modern AV facilitating on-site and remote learning alongside laboratory settings for at-instrument or in-lab training. Bridge gives you direct access to academic- and industry-experienced consultants to educate, develop and mentor your staff and they can upskill at our regular specialist courses.

We are delighted to innovate training and create bespoke content for you. Furthermore, our 1-2-1 facility-user training provides qualification for you to access Bridge's instrumentation and laboratory workspaces and introduce these resources to your routine workflows.

> verb 'brij'
> to make the difference between two things smaller or less severe; to make something possible by removing disagreements, differences, or difficulties.

BRIDGE to an Innovation Community

Make the connections you need to network and broker opportunities for your future.

Bridge is a forum for knowledge exchange facilitating business-to-business and business-to-academia engagements.

Our dedicated innovation centre provides a quality environment for business interaction facilitating exchange of expertise and business opportunities and acts as a hub for our growing consortium of partners. We host a range of networking events and seminars introducing the latest developments in materials science and beyond and our facilities are available for business-led events.

The Bridge team are experienced in efficient signposting and brokerage to our partners in sectors with complementary expertise and experience, helping to promote and secure critical supply chains.

Get in touch

Talk to our team - start with a free diagnostic meeting that highlights precisely how we can help your business.

Here's how it typically works:

- **One-to-one diagnostic consultation:** We will undertake an initial consultative review to identify and discuss where Bridge can use our expertise to offer support, targeted research, or training to help your organisation grow
- **Project conceptualisation and definition:** With your help, our experts will develop, define and propose bespoke programmes, with details of personnel involved, instrumentation, timescales and deliverables
- **Project management and delivery:** Our scientists and engineers and business and academic partners will work on your programmes to deliver the highest quality outcomes, all overseen by our dedicated management and liaison staff
- **Reporting, closure and future collaboration:** At the end of your project, we will produce a comprehensive report of the outcomes and define opportunities for future collaboration

Start a conversation

Give us a call on **+44 (0) 1522 835177**
Drop us an email at **enquiry@thebridge-lincoln.org**
or take a look at our website **www.thebridge-lincoln.org**

We like to hear from you on social media too - find us on

@thebridge_linc
/thebridge-lincoln

BRIDGE

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UNIVERSITY OF LINCOLN

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