AFRC

ADVANCED FORMING RESEARCH CENTRE

UNIVERSITY OF STRATHCLYDE

University of Strathclyde Glasgow

BECOME PART OF THE AFRC

De-risk innovation and boost your business

www.afrc.org.uk

About the AFRC

The University of Strathclyde's Advanced Forming Research Centre (AFRC) is a globally-recognised centre of excellence in innovative manufacturing technologies, engineering research and development, and metal forming and forging research.

For almost a decade the centre has been at the heart of manufacturing research in Scotland. It is the only High Value Manufacturing Catapult centre in the country, one of only 7 in the UK. It is the critical link between manufacturers in Scotland and the rest of this world-class network of manufacturing innovation and expertise.

The AFRC helps to fill the gap between fundamental academic research and industry. We help companies turn innovative technologies and ideas into a commercial reality that will increase their competitiveness, boost their business and secure the manufacturing sector in Scotland and the UK for generations to come.

We offer world-class expertise and cutting-edge technologies that help firms develop solutions that bring about real business benefits for companies of all sizes from across the UK and internationally.

"Near net shape & advanced forming processes are a very important element of the Rolls-Royce Advanced Manufacturing Strategy – our commitment to the AFRC gives us access to the very latest forming technologies and world class process specialists, helping us to deliver high productivity processes and new innovative products."

Stephen M. Burgess
Director, Manufacturing Technology at Rolls-Royce
Founding Tier One Member

Being part of the AFRC

The centre is led by its industrial members, they are central to how we work and are a vital part of our growth and success.

They include companies of all shapes and sizes from across the supply chain, from global manufacturing giants such as our founding members Rolls-Royce, Boeing and Timet to small local businesses and sector specialists. Our doors are open to any company working in manufacturing, engineering or a complementary sector.
Membership of the AFRC gives companies access to our unique set of capabilities, allows them to take advantage of the facilities and expertise within the centre and work with like-minded people and businesses.

Every member is treated as an individual. For some companies that may mean being part of our successful core research programme; for others it will be about the prospect of marketing their products and services. Whatever the drivers, we work with our members to make sure they are maximising all opportunities.

“Land specialise in infrared temperature measurement and our Tier 2 membership gives us an insight into real thermal scenarios in other members’ industries. We also benefit from access to a network of technical experts in related fields, and facilities to test our new products on industrial-scale processes in a safe friendly environment.”

Dr Fiona Turner
Physics Section Manager at Land Instruments International
Tier Two Member

A package to suit all businesses

Membership of the Advanced Forming Research Centre puts you at the heart of manufacturing research and development in Scotland.

Regardless of the size and shape of your business, if you operate within the manufacturing and engineering sectors we have a membership model to suit.

We have three membership options to choose from:

Tier one membership

Our tier one members are industry leaders.

As a tier one member you will fund and direct the centre's core research programme; steering the agenda and helping to set our strategic direction through collaborating with the other tier one members and the centre's technical teams.

You will have access to the intellectual property developed through our core research programme, royalty free.

Every tier one member has a seat and a vote on our managing and technical boards, helping to determine our research priorities and capabilities.

Cost - £200,000 per annum split between single member projects and multi-company projects.

Tier one partnership

Our tier one partners are technically innovative businesses that support the AFRC through in-kind donations such as providing kit or expertise. They work closely with the teams in the centre, collaborating on research projects that match their interests.

As a partner you will receive invitations to attend our managing and technical board meetings and as a result have the opportunity to propose involvement in the core research programme.

As a partner, subject to a royalty payment, you would also have access to the intellectual property generated through the core research projects you support at the agreement of the tier one member involved.

You will also benefit from forging strong working relationships with the wider AFRC community through attending workshops, conferences and invitation only networking events. We also offer our tier one partners a platform to help boost their own marketing efforts.

Cost – in-kind donations to the value of £200,000 per annum.

Tier two membership

Our tier two members are a mix of technology and supply chain partners and smaller businesses.

As a tier two member you will help provide the centre with capability that supports current and future research programmes. In turn, you will benefit from gaining an insight into our core research work and have the opportunity to present to our boards.

Tier two members benefit greatly from the networking and marketing opportunities presented by the centre.

You will also have a vote in deciding who represents the tier two members on the management and technical boards.

Cost - in-kind donations or cash to the value of £25,000 per annum

The minimum contract term for all three options is three years.

	Tier one membership	Tier one partnership	Tier two membership
Cost per year	£200k cash	£200k in-kind	£25k in-kind or cash
Member funding control	Equal way split be-tween single member projects (typically commercial) and multicompany projects.	No	No
Attendance at board meetings	A seat on the man-agement and tech-nical boards	By invitation	Represented by a tier two member rep at management and technical boards
Board voting rights	Yes	No	Collectively via the tier two member rep
Core research programme	Joins and directs the programme	Can propose involvement	Limited access: potential to support individual projects
Access to core research IP	Yes, royalty free	Based on royalty payment, by agreement and only on supported projects	No

Benefits for all

We work to tailor all membership and partnership agreements to meet your objectives and to ensure you get the most out of being part of the Advanced Forming Research Centre you will have the support of our dedicated membership engagement manager.

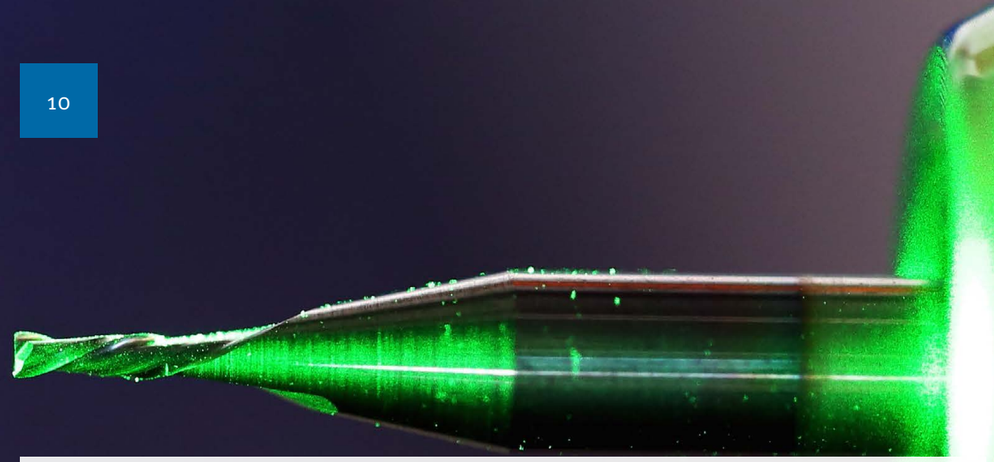
Regardless of the option chosen, all of our members and partners have the opportunity to benefit from the following:

- Access to our world-class technical capabilities and expertise
- Participation across our research programmes
- Work with the centre on collaborative bids into funding calls
- Networking opportunities throughout the year
- Invitation to the centre's bi-annual membership conferences and AFRC events
- Inclusion on the AFRC website
- Logo on display in the centre
- News story announcing our partnership
- Use of the centre's facilities

And to make sure you know what's going on here, we will send you our membership newsletter, AFRC Insider.

"Mitsubishi is committed to engaging with all new and exciting processes, to this end the involvement with the AFRC is essential in helping us capture, and be involved in, the development of new technologies."

Alex Saboulis
Northern Regional Sales Manager, Mitsubishi Materials, Tier Two Member



Opening doors for your business

For some of our members being part of the Advanced Forming Research Centre is about being part of research projects, for others it's a platform to showcase their own capabilities.

The AFRC is the ideal stage from which to promote your products and services. Our state-of-the-art laboratories and workshops housing industry-scale kit are perfect locations to exhibit your offering to a very targeted and engaged audience of industry stakeholders.

Every year we open our doors to over 4,000 people from across the world; all of who share an interest in manufacturing, engineering and the wider supply chain. Members providing in-kind equipment and services use this as an invaluable marketing opportunity to show their capabilities, demonstrating the benefits that they bring to the centre and the wider marketplace.

Through working with the AFRC, you will have access not only to our unique facilities but also our marketing and events team. They can support your activity in numerous ways including; hosting events, targeted PR, case studies, invitations to exclusive industry networking events and reciprocal social media activity.

"As a supplier of transformative visualisation technology to manufacturers, the valuable network the AFRC creates gives us a forum to discuss the aspirations of industrial leaders and pursue collaborative projects to improve organisational performance and potentially gain competitive advantage."

Guenter Dahm
Virtalis Group CEO
Tier One Partner

Opportunities beyond membership

The Advanced Forming Research Centre has a strong track-record in collaborative research and development (CR&D) activity. We have successfully secured funding for capital equipment purchases and research programmes through a number of calls and organisations including: Scottish Enterprise, Innovate UK, the Engineering and Physical Sciences Research Council (EPSRC), the Aerospace Technology Institute and the High Value Manufacturing Catapult.

Specific funding is also available for knowledge exchange and technology transfer projects through our Advanced Manufacturing Industrial Doctorate Centre (AMIDC). The doctorate centre offers industrial partners the opportunity to collaborate on four-year engineering doctorate (EngD) programmes and via the knowledge transfer partnership scheme.

“Standex Engineering Technologies (ETG), as the newest Tier One partner, recognises the tremendous opportunity to advance our numerous forming processes by utilizing all aspects of the AFRC. These aspects are not only the newest technologies in forming equipment, but the combination of member skills whether on the project teams, in the Advanced Materials and Testing Labs, or the factory floor that are then maximized with the talents and influence of the University of Strathclyde. ETG is excited about contributing in this collaborative environment.”

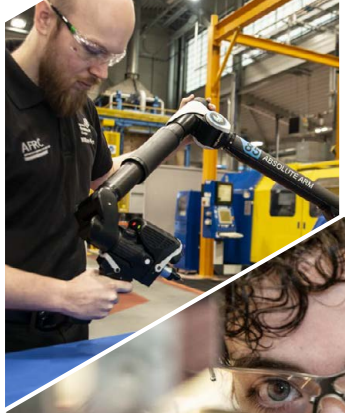
Len Paolillo
President of Standex Engineering Technologies Group
Tier one Partner

“We have found that there are numerous benefits to being a tier two member of the AFRC both from a technological and marketing perspective. Having access to the centre’s kit and the expertise of its people, being presented with collaboration opportunities and having the opportunity to network with the tier one members are all highly valuable to us as a leading coatings business.”

Martyn Barber
Product Specialist at Prince Minerals
Tier Two Member

“Anyone walking into the AFRC for the first time will immediately appreciate that it is equipped at industrial scale to help solve real-world challenges for manufacturers though its expert staff.”

Gordon Venters
Head of Engineering, Scottish Enterprise



Find out more

It is important to us that being part of the AFRC works for your business. You will have a dedicated point of contact throughout the application process who will work with you to determine the best route to suit your business needs and achieve your aims and objectives.

To start discussions or to simply find out more information contact Tracy McCarroll on **tracy.mccarroll@strath.ac.uk**.

www.afrc.org.uk

bsi. ISO 9001 Quality Management

bsi. OHSAS 18001 Occupational Health and Safety Management

UKAS TESTING

Athena SWAN Bronze Award

CATAPULT High Value Manufacturing