



EUROPE & SCOTLAND
European Regional Development Fund
Investing in a Smart, Sustainable and Inclusive Future



Advancing Manufacturing
Cluster Builder

Introduction to:

The Advancing Manufacturing Cluster Builder (AMCB)

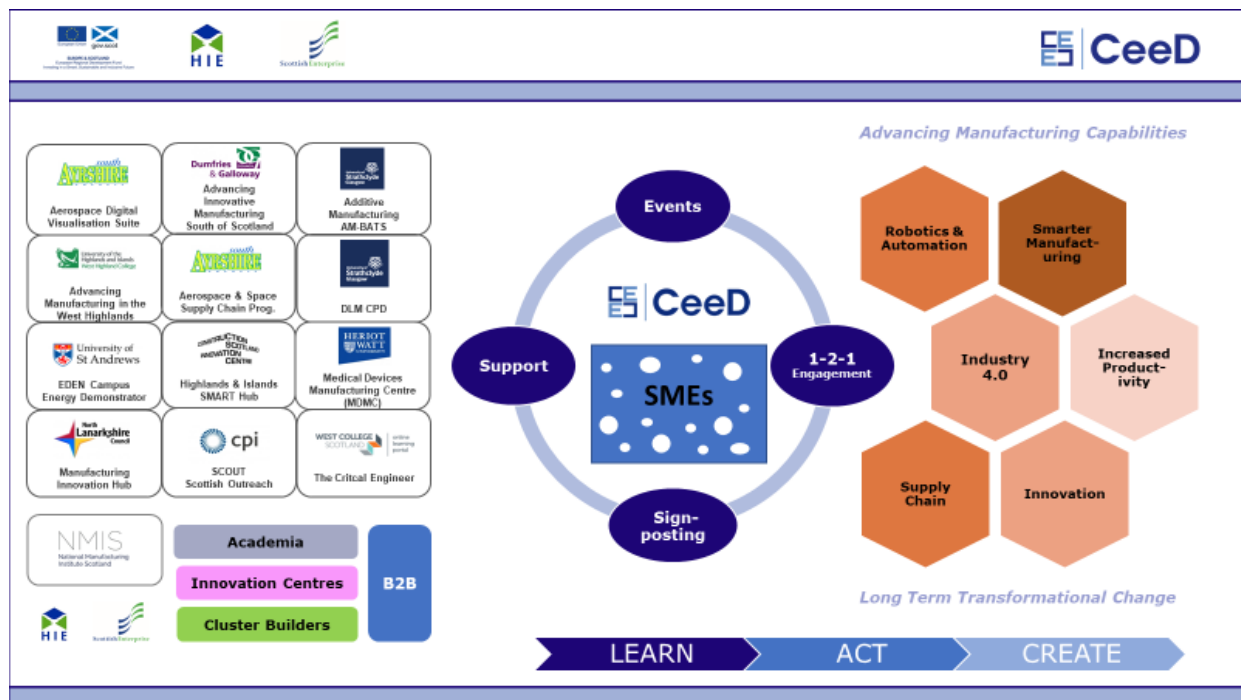


Advancing Manufacturing Cluster Builder (AMCB)

The Advancing Manufacturing Cluster Builder (AMCB) is part funded by the 2014-2020 European Regional Development Fund (ERDF) and has been established to support small and medium-sized manufacturing and engineering companies to develop their innovation know-how and competencies, with a view to improving the overall manufacturing capabilities across Scotland.

Ceed have been contracted by Scottish Enterprise, on behalf of Scottish Government and Highlands and Islands Enterprise, to deliver the AMCB project, working with the Advancing Manufacturing Challenge Fund (AMCF) projects and NMIS (National Manufacturing Institute Scotland).

This support service is provided free-of-charge.



AMCF projects

There are 12 AMCF projects with a thematic, regional and/or pan-Scotland focus and whose purpose is to have a significant impact on advancing the manufacturing capabilities of small and medium-sized businesses operating in the manufacturing sector within Scotland, leading to long-term transformational change.

Ceed would like to share knowledge and connect you to the appropriate AMCF project(s) which are relevant to your needs and aspirations, to help engineering and manufacturing businesses overcome new product development and operational challenges. We will support you on your journey to Industry4.0. whether you are at the beginning of this process or well on your way to embracing new technologies and smart manufacturing techniques.

The 12 AMCF projects offer a range of advancing manufacturing support, specialist expertise and state-of-the-art equipment to help SMEs test and evaluate prototypes, new product designs, processes and product development.

The projects offer support to engineering and manufacturing businesses across a wide range of sectors, including additive manufacturing, medical devices, aerospace, energy and workforce skills & development.

The table below provides an overview of each Advancing Manufacturing Challenge Fund project.

AMCF Project	Project Overview
Aerospace & Space Supply Chain Programme	This project will help SMEs overcome barriers to entering the Aerospace and Space sectors while seeking to improve the productivity and competitiveness of SMEs through innovation and the adoption of manufacturing technologies.
Aerospace Digital Visualisation Suite	Using cutting edge virtual reality, augmented reality and digital visualisation, this project will assist SMEs to enter or expand their presence in the aerospace and space supply chain and related sectors while achieving significant savings in both the time and cost of live testing.
North Lanarkshire Manufacturing Innovation Hub	This Hub will provide practical, industry-specific business support to help manufacturing SMEs grow. To be located at the College's Motherwell Campus, the hub will offer a state-of-the art Robotics and Automation Training and dedicated space for manufacturing SMEs to meet, learn, access industry-specific business support and academic/partner agency expertise.
Additive Manufacturing – Business & Technology Support Packages (AM-BATS)	This project will provide SMEs with access to the expertise required to make investments in Additive Manufacturing (AM), de-risking innovation, supporting the adoption of AM and growing the Scottish supply chain. The project will provide SMEs with the confidence to invest in new manufacturing processes and adopt new technologies.
Online Digital Manufacturing & Leadership CPD Programme (DML-CPD)	This project will provide SMEs across all manufacturing sectors with skills training in the areas of digital manufacturing and leadership. The project will support those SMEs through the digital transformation journey, from awareness to practical implementation of digital manufacturing technologies and concepts.
SCOUT (Scottish Outreach)	The project is for SMEs working in the high value chemical and biochemical supply chain and will help these businesses find solutions to growth challenges, providing a clear plan, new networks and knowledge. The project will also support SMEs to find transformative technologies and build an evidence base to encourage adoption and help overcome internal barriers preventing R&D investment.
The Critical Engineer	<p>The project will provide a regional skills hub for SMEs across all sectors. SMEs will have access to knowledge, training and equipment in relation to manufacturing 4.0 technologies.</p> <p>The project will also provide bespoke skills analysis and planning, technical training and learning experiences that are relevant to the SMEs business and sector. Through this support the project aims to unlock opportunities for collaboration and investment, bridging the gaps in technology and innovation between advancing and advanced manufacturers.</p>
AIMS - Advancing Innovative Manufacturing in the South of Scotland (AIMS)	The project is aimed at manufacturing SMEs operating in the South of Scotland and will provide access to advanced manufacturing technologies. The project will focus on supporting SMEs with potential new products to develop these for market, as well as upskilling the workforce and encouraging innovation.

AMCF Project	Project Overview (cont.)
MDMC -Medical Device Manufacturing Centre	This project is aimed at SMEs who specialise in the manufacturing of medical devices and will support these companies to accelerate the development of innovative concepts through to manufactured products, by providing access to advice and the opportunity to develop and test manufacturing approaches and help de-risk future investment in equipment.
Eden Campus Energy Demonstrator	This project is aimed at SMEs working in energy storage and conversion, providing scale-up facilities for R&D to early prototyping and proving technology before moving to large scale manufacture. These companies will have access to University know-how and expertise, as well as high-quality equipment for test and demonstration purposes.
Advancing Manufacturing in the West Highlands	This project is aimed at SMEs operating across all sectors and will provide access to advanced manufacturing technology for test and demonstration purposes, as well as expertise in a 'sandpit' environment. It will support these companies to innovate and grow their business by adopting new technologies and improving processes.
Make it SMART Hub for Manufacturing and Construction	<p>The project aims to deliver transformational improvements, in the Highlands and Islands (H&Is) economy, through working with Small and Medium Enterprises (SMEs) in construction, manufacturing and the built environment. The 'Make it Smart Hub' will operate throughout H&Is through multiple channels, responding to technological and geographical barriers.</p> <p>Its aim is to encourage construction SMEs to learn, apply and share new manufacturing technologies, processes and skills, that improve productivity and drive inclusive growth.</p>

Events Programme

CeeD delivers an extensive programme of learning, development and peer-to-peer learning workshops and webinars throughout the year. In addition, we will deliver a programme of cluster builder events in partnership with the AMCF projects, industry partners and leading manufacturing companies. The individual AMCF projects will also run a series of webinars across the year. We will keep you informed of these events through our regular 'Forward Thinking' newsletter, Events communication, the CeeD website and social media channels.

You can take a look at our current event programme [here](#).

Your Feedback

Your feedback is important to us and we'd like to hear your thoughts about the AMCB programme. Please also let us know the kind of topics and manufacturing and engineering challenges you'd like us to address through our workshops by [registering your interest](#) with us.

Contact Us

If you would like to find out more about the Advancing Manufacturing Cluster Builder programme or any of the AMCF projects, please contact [Ian Gibson](#), Programme Manager, or another member of the [Ceed team](#).



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Visit our website: ceed-scotland.com and the AMCB [web page](#)

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