

Advanced Manufacturing in the West Midlands

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economic prosperity



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West Midlands Manufacturing is alive and well!

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Challenges

- Low cost economies
 - Improving technological capability
- Legislation
- Finance
- Lack of investment
- Skills
- Poor marketing

Opportunities – Advanced Manufacturing

What is it?

The key focus areas extracted from Government's definition

- design, technology, skills, innovation and creativity. state of the art equipment, and R&D



- technologically complex products and processes and services of high value

- new industrial platform technologies that have multiple commercial applications (will involve universities)

West Midlands Strengths

West Midlands Task Forces:-

1. Advanced Manufacturing
2. Medical
3. Low carbon
4. Digital

West Midlands Strengths

West Midlands Task Forces:-

Advanced Manufacturing Outcome.....

Develop Advanced Manufacturing Supply Chains focussing on:-

Power & control electronics
Advanced joining technologies

Target Markets:-

Automotive,
Aerospace,
Renewable energy,
Rail,
Nuclear

Advanced Manufacturing Funded West Midlands Projects

Project Title	Activity
Manufacturing Technology Centre	TRL4-6. net shape; joining; tooling/fixtures; automation; automation; process integration
Manufacturing Advisory Service	supports manufacturers to improve competitiveness through new technologies and improved QCD.
Lightweight Technologies	forming/joining/simulation of new metallic materials
Customer Interface Technologies	design and use of human/auto interface for LVC
Advantage Niche R&D programme	innovation focussed R&D for new business opportunities
21 st Century Supply Chains	best practice in aerospace companies to increase their competitiveness.
Aerospace Technology Exploitation Programme	promotes collaboration on initiatives, including R&D, marketing and training
Environmentally Friendly Engine	collaborative R&D - turbine and aero dynamic designs
Next Generation Composite Wing	design, simulation & system integration retain UK advantage
Rail Supply Chain	supply chain groups, business devt grants, themed / focused networks for opportunity, industry assistance

Advantage West Midlands

The Regional Development Agency (RDA) for the West Midlands Region

Thank you for listening

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