



WHAT'S NEXT ON YOUR

DIGITAL TRANSFORMATION JOURNEY?

**TAKE YOUR NEXT STEPS WITH THE
INSTITUTE FOR MANUFACTURING**

Turn over to see a digital transformation journey in five stages, supported by research proven tools and approaches developed at the IfM.

For more information contact:
Dr Nicky Athanassopoulou t: +44 (0)1223 760376 e: naa14@cam.ac.uk

FIVE STEPS FOR DIGITAL TRANSFORMATION

1 Explore the potential

Discover where and how technology can help

- Learn from examples of digital implementations relevant to your business.
- Raise awareness of existing technologies and their readiness level.
- Evaluate the technologies that are currently deployed in your sector.
- Create a basic narrative setting out when current and emerging technologies could be most useful.
- Develop confidence and understanding in what your digital future looks like.

2 Understand the value

Explore and create a compelling business case

- Identify ways to improve and create new value for your customers by working innovatively with organisations in your business ecosystem.
- Assess the sustainability (triple bottom line) model for new technology adoption or markets.
- Assess digital capabilities across your organisation, analyse performance and highlight areas for improvement.
- Identify, design and prioritise potential innovations in your production and business processes.

3 Define where to go

Create your organisation's digital vision

- Achieve consensus as an organisation about where you are going, developing a cross-stakeholder aligned vision of your digital future.
- Explore potential digital scenarios for your sector.
- Assess your digital capability.

4 Identify pathways

Map out where you are now and where you want to get to

- Consider, plan and map your digital journey with key stakeholders across your organisation to create clarity and buy-in for the next steps you need to take.
- Address key aspects of your strategy including external drivers, internal drivers and capabilities to arrive at a blueprint for your digital transformation.
- Select the solutions, projects and technologies that will deliver the most value to your organisation.

5 Implement projects

Develop the capabilities to achieve your digital vision

- Decide whether you will develop the digital expertise in-house or source it from a third party.
- Consider what, when and how to automate your operations.
- Develop an IP strategy that protects your digital investments.
- Undertake professional development courses/ programmes to build the right capabilities across your organisation.

Research proven tools and approaches from the IfM include:

- Education, training and briefings on digital technologies
- Case studies
- White papers
- Reports

- Value mapping
- Business ecosystem mapping
- Service assessment
- Information disruption
- Creativity and innovation in digital manufacturing
- Portfolio prioritisation
- Industrial resilience audit

- Scenarios
- Visioning

- Digital transformation strategy
- Digital supply chain scenarios
- Portfolio prioritisation
- Roadmapping
- Digital solutions prioritisation

- Make vs buy
- Automation assessment
- Designing services
- IP strategy
- Professional development courses