UKRI Innovate UK BridgeAI

Empowering businesses through AI adoption

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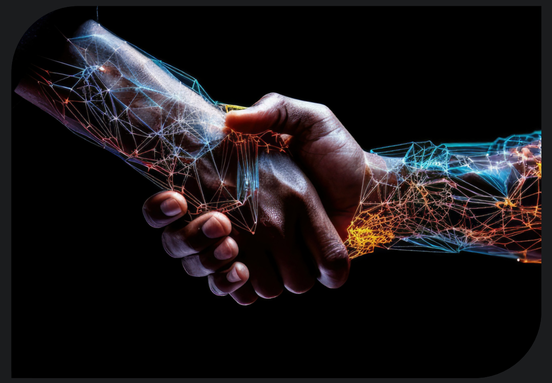

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Introduction

Foreword from:
Sara El-Hanfy
Head of Artificial Intelligence & Machine Learning

Artificial Intelligence (AI) is revolutionising our world, offering unparalleled opportunities to boost productivity and competitiveness for businesses. For small and medium enterprises to reap the rewards of AI, obstacles to adoption must be overcome, including finding the right skills, integrating AI with existing systems, and addressing ethical and regulatory needs.

The Innovate UK BridgeAI programme is a vital investment in the next generation of UK business, supporting high-potential industries in harnessing the full power of AI. We are nurturing innovation at the grassroots level by connecting businesses with the developers, tools and training they need to co-create purposeful technologies that deliver business impact.

Research conducted with industry decision-makers, senior staff and AI experts has identified **£9.2 billion of untapped opportunity** across four priority sectors – agrifood, construction, creative industries, and transport (including logistics and warehousing). BridgeAI will empower businesses in these areas to leverage AI to solve their challenges and boost productivity.

End of Introduction.

Innovate UK

Science and Technology Facilities Council
Hartree Centre

CATAPULT Digital

The Alan Turing Institute

bsi.

BridgeAI

Objectives

BridgeAI is on a mission to empower high-potential sectors in the UK with the knowledge
and tools needed to harness AI responsibly and ethically.

We are doing this by:

- Connecting AI developers and adopters
- Providing crucial funding and support for the developers of new AI solutions to address sector-specific challenges
- Championing responsible AI innovation
- Addressing technical and business skills gaps that currently limit the adoption of AI
- Providing clarity and guidance, identifying standards gaps, and fast-tracking the development of appropriate standards.

BridgeAI brings together the deep expertise and extensive resources of strategic partners including Innovate UK, Digital Catapult, STFC Hartree Centre, The Alan Turing Institute and BSI.

End of Objectives.

The AI Innovation Journey

Key: Adopters Developers Both

Coming up...

- What is AI?
- Discover Digital Transformation
- Assess your AI readiness
- Identify opportunities
- Develop AI skills
- Business design support
- Secure Investor Partnerships
- Exchange cross-sector knowledge
- Seek advanced expert advice
- Unlock access to supercomputers
- Scale up innovation
- Assess governance and regulatory support

The AI Innovation Journey

Key: ○ Adopters ☐ Developers ⬢ Both

What is AI?

Data Science & AI Glossary

The Alan Turing Institute

A collection of terms and definitions related to data science and AI, created by The Alan Turing Institute for non-specialists who want to learn more about these topics.

Discover Digital Transformation

Discover Digital Transformation Training Programme

STFC Hartree Centre

A training programme designed with decision-makers in mind to help your business explore digital, data-driven and AI technologies, decide what's right for your organisation and build an action plan to become AI ready.

Assess your AI readiness

AI Adoption Assessment Toolkit

Digital Catapult

For organisations that want to adopt AI but are unsure where to start, have a lot of data sitting in silos, or are looking to connect a number of discrete AI PoCs – this Assessment Toolkit will help benchmark your digital transformation and data readiness levels, which are fundamental for successful AI adoption.

AI Skills for Business Competency Framework

The Alan Turing Institute & Innovate UK

This framework aims to support employers, employees, and training providers to identify upskilling routes and understand the competencies required to deliver value from AI.

Key: Adopters Developers Both

Identify opportunities

Innovation Vouchers

STFC Hartree Centre
£5000 and £15,000 vouchers for access to expert technical support and advice in data science and AI, allowing you to explore the benefits of integrating AI into your organisation.

Report: 18 AI Ideas to Change the World

Innovate UK
A catalogue, developed in collaboration with a panel of AI experts, of 18 game-changing ideas across agrifood, construction, creative industries, and transport. It contains real-world case studies of how AI could help to tackle each sector's biggest challenges, including relevant statistics and market research.

Develop AI skills

Hartree Centre Training Portal

STFC Hartree Centre
A range of self-paced free online learning activities for various levels of experience, to start you on your digital journey and help you embed AI into your business processes.

AI Innovation Workshops

Digital Catapult
Workshops designed to cultivate collaboration, explore responsible innovation, dive into data excellence, and master investment for AI developers and adopters within the agrifood, construction, creative industries, and transport sectors.

Key: Adopters Developers Both

Turing E-Learning Courses

The Alan Turing Institute
Self-paced e-learning courses on real-world issues including assessing and mitigating bias in AI, transparent machine learning, and operationalising ethics in AI.

Assess business design support

Innovate UK AI Labs

Innovate UK
A comprehensive 5-week programme designed to assist companies in the initial stages of their AI adoption journey. The programme focuses on empowering participants to formulate practical and effective AI strategies for their organisations through targeted guidance and expert insights.

Secure Investor Partnerships

Innovate UK Investor Partnerships

Innovate UK
A partnership programme that provides support for research and development and access to the capital investment needed to develop and commercialise, for projects that accelerate the adoption of trusted and responsible AI technologies by reducing bottlenecks during development and deployment.

Exchange cross-sector knowledge

The Turing Way Practitioners Hub

The Alan Turing Institute
A forum to engage directly with experts from partnering organisations in their efforts to promote data science best practices, across academia, research, engineering systems, government and healthcare-leading data science initiatives.

Key: ○ Adopters □ Developers ⬢ Both

Innovate UK Innovation Exchange

Innovate UK
A platform that facilitates knowledge transfer and collaboration between industries by translating unique business challenges into actionable industry strategies and matching them with the right experts within the extensive Innovate UK network.

Seek advanced expert advice

Bespoke AI and Data Science Advice for SMEs

The Alan Turing Institute
Bespoke advanced-level advice for companies with a clear picture of their AI adoption challenges.

Unlock access to supercomputers

High Performance Computing (HPC) Innovation Vouchers

STFC Hartree Centre
£5000 vouchers to allow companies to harness readily accessible, world-class high-performance computing (HPC) platforms.

Scale up innovation

Innovate UK Global Alliance

Innovate UK
BridgeAI is delivering international activity throughout the life of the programme to facilitate the discovery of global market opportunities, and to access expertise and build collaborations with international networks to accelerate UK business capabilities.

Key: ◯ Adopters ☐ Developers ⬢ Both

Assess governance and regulatory support

High Growth AI Accelerator for BridgeAI

Digital Catapult
An initiative designed to support AI startups and SMEs in developing responsible, desirable and scalable machine learning and AI solutions. The programme provides access to computation power, technical and business expertise, and industry-leading support on applied AI ethics, as well as support from our network of innovators, technologists, investors, industry leaders, and academics.

Innovate UK Knowledge Transfer Partnerships (KTPs)

Innovate UK
Unique, three-way collaborations that connect businesses that have an innovation idea with the academic expertise to help deliver it. Each KTP is supported by one of Innovate UK's Knowledge Transfer Advisers (KTAs) who provide expertise and guidance.

AI Standards Hub

The Alan Turing Institute
A collaborative platform dedicated to the advancement of knowledge, skills and research related to standards, governance structures and regulatory developments for AI technologies.

AI Standards Support

BSI
Webinars, workshops, training and consultancy to support businesses with ensuring their use of AI is safe, sustainable and ethical — and in alignment with international standards to accelerate progress and manage risk throughout the AI journey.

Key: ◯ Adopters ☐ Developers ⬢ Both

BridgeAI Standards Community

BSI

The BridgeAI Standards Community is an online space for SMEs, providing insights and guidance on key standards, research and case studies on successful adoption of AI, as well as the opportunity to connect and collaborate with other businesses and BSI experts through online discussions or events.

The Turing Way Handbook

The Alan Turing Institute

A handbook on data science, offering a series of openly developed online guides that share over 300 chapters on best practices and skills for reproducible, ethical, collaborative, and inclusive data science and AI.

Turing Commons

The Alan Turing Institute

Free and open-source guidebooks with distinct skills tracks for researchers, or anyone interested in responsible research and innovation, public engagement, or AI Ethics and governance.

Evaluate your company's stage in the AI innovation journey.

End of AI Innovation Journey.

Strategic partners

Coming up...

BridgeAI is funded and supported by Innovate UK:

Innovate UK

The programme is delivered by a consortium of strategic partners:

The Alan Turing Institute

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CATAPULT Digital

Science and Technology Facilities Council
Hartree Centre

Innovate UK

Innovate UK, part of UK Research and Innovation, is the UK's innovation agency. It works to create a better future helping companies to develop and commercialise new products, processes and services, supported by an outstanding innovation ecosystem.

Innovate UK is central to overseeing the BridgeAI investment and establishing the vision of the programme. As well as providing funding to develop trusted, end-user drive AI products and services, Innovate UK provides a comprehensive suite of support including connections to expansive expert networks, international growth opportunities and coordination of ecosystem activities for knowledge exchange.

Visit site

The Alan Turing Institute

The Alan Turing Institute is the national institute for data science and AI, tackling big challenges in science, society, and the economy through research and innovation.

As part of BridgeAI, The Alan Turing Institute provides independent scientific advice, up-skilling opportunities and AI governance expertise for businesses, driving innovation and supporting AI adoption.

Visit site

BSI

BSI is the UK's national standards body, which champions progress and supports a global community of experts to shape sustainable and ethical solutions.

As a BridgeAI strategic partner, BSI will lead on standards insights and support for developers and adopters of AI, paving the way for responsible implementation of trustworthy AI. This includes workshops and guidance on key AI, data, cybersecurity and sector-specific standards.

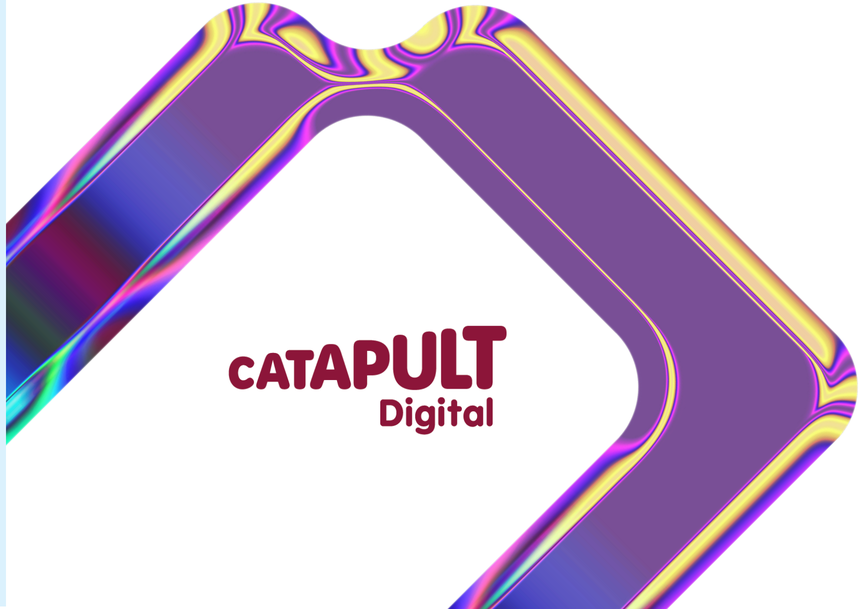
Visit site

Digital Catapult

Digital Catapult is the UK authority on advanced digital technology. Bringing together industry leaders, researchers and startups, we accelerate digital technology adoption to benefit the UK – breaking down barriers, de-risking innovation, opening up markets and responsibly shaping the products, services and experiences of the future.

Through BridgeAI, Digital Catapult boosts innovation, sets the foundations for responsible technology development, and fosters collaboration, through accelerator programmes, workshops, toolkits and support.

Visit site



Science and Technology Facilities Council
Hartree Centre

STFC Hartree Centre

The Science and Technology Facilities Council (STFC) Hartree Centre helps UK industry take advantage of high-performance computing, data science and AI technologies to boost productivity and innovation.

Through BridgeAI, the Hartree Centre provides access to supercomputers, expertise, innovation vouchers and training opportunities to upskill and advance successful AI implementation in your organisation.

Visit site

End of Key Strategic partners.

Key Resources

Stay updated on BridgeAI

Sign up to our newsletter receive updates on events, programme developments and upcoming competitions.

Find the right support for your business

Answer a few questions to find the best support for your company's AI initiative, using our self-evaluation tool.

Insights

See the latest insights from the programme.

Past Events

See the BridgeAI events archive and recordings.

News

See the latest news related to BridgeAI.

Case Studies

See the latest case studies related to BridgeAI.

Experts

Meet some of the BridgeAI sector experts.

Be a part of the BridgeAI revolution.

Contact us:
bridgeai@iuk.ktn-org

End of Key Resources.

Programme Ambassadors

Follow our BridgeAI programme ambassadors to keep up to date with the latest developments and take part in key discussions.

The Alan Turing Institute

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End of Programme Ambassadors.

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BridgeAI

Stay updated

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