

Make Possible, The Impossible in eCommerce

Unlocking AI's true potential
in eCommerce for the
greater good.

QUANTUM
ARTIFICIAL INTELLIGENCE

Why Quantum?

Data is the last frontier when it comes to competitive advantage. Being able to identify, collate, mine, and interpret your business data – and act on it – provides new avenues for innovation, automation, and growth, irrespective of the market you operate in.

With a full intelligent solution suite, powered by the latest developments in AI and machine learning, Quantum AI can help your organisation unlock business intelligence with AI, spot trends and patterns in big data with deep learning, and remain secure.

Trusted in the industry, we have created a secure AI platform on the basis of next-generation methods, including future concepts of Quantum Computing, for the modern organisation. We provide business insights, pattern & trend learning, and self-learning.

Quantum helps organisations across sectors achieve leaps forward by providing tailor-made AI-driven solutions that apply Deep Learning, Machine Learning and Artificial Intelligence to rapidly resolve business challenges and unlock intelligence. And we're committed to doing this in an ethical manner.

Our mission is to help businesses apply the best aspects of AI to their business through innovative technology, services and solutions that automate mundane, repetitive tasks, create a competitive edge or improve security. And our objective is always to do so in a manner that augments and informs the activity of your human workforce. AI to assist - not to replace.

Our Technologies



Big Data

Truly understand
your business

Edge

Leverage
Distributed
Computing



Quantum Computing

Powering AI
Solutions

Blockchain

Powerful
performance,
better security



Algorithms

Our unique
proprietary
technology

NFTs

A more secure
and fair digital
ecosystem



Our Solutions: Tomorrow's Technology Today

Intelligence that drives innovation, security and growth

Quantum AI deliver a powerful suite of ground-breaking technologies that help organisations across sectors overcome critical business challenges through the very best in Deep Learning and Machine Learning applications. These applications are underpinned and accelerated by harnessing the power of quantum and edge technologies, and combined with our unique algorithms, deliver faster, deeper and more accurate intelligence for your business.

Quantum Computing

We build intelligent software for organisations of varying operations; creating the opportunity for individuals to do great things with a dynamic AI engine growing with you and your organisation to make better-informed decisions.

The Quantum platform is a real-time, AI-centric product that works intelligently with self-governance. Once calibrated for your requirements, it's then able to self-learn, self-heal, and adapt to deliver insights and performance or security improvements you didn't know were possible.

Machine Learning

Machine Learning can be a powerful tool across multiple parts of your organisation, with a breadth of capabilities that simply make work more efficient. At Quantum, we see Machine Learning as a powerful ally of your human workforce – Not a threat to them: By leveraging the power of Machine learning tools in the right way, you can free your teams from mundane, low value tasks, and enable them to concentrate on higher-value projects, while getting more of those mundane tasks done faster.

But the Power of AI goes far beyond this: its ability to constantly learn and adapt means it can help human workers find faster, more efficient ways of working themselves, as well as uncover new insights from data that inform more confident human decision making. In any industry where responsiveness counts, this can lead to significant advantage.

Deep Learning

Deep Learning takes the capabilities of Machine Learning to another level. This is particularly powerful in environments with “Big Data” challenges - large quantities of unstructured data, which simpler ML algorithms might struggle to fully understand, and where therefore, commercial or security insights may be missed.

DL therefore incorporates a significant training stage during which it compares data characteristics and teaches itself how to behave when it encounters similar data the next occasion. And the benefits of this can be felt across almost any business unit, from manufacturing and logistics, through to Human Resources and Payroll. Deep learning helps to disentangle any number of abstract data sets and select which features improve performance, continually providing better insights as a result.

DDNA

Cybersecurity is a constant technological battle between security and IT professionals seeking to secure their businesses and threat actors looking to compromise it. Increasingly, artificial intelligence has a powerful role to play in keeping intruders out, whilst allowing verified users easy access to the tools and data they need to fulfil their jobs.

Being able to strike the balance between high security and ease of use is critical, and it's where Quantum's Digital DNA platform really comes into its own.

By applying AI to existing security products – whether at the end-user level (such as Single Sign-On Identity Access Management) through to far-reaching SOAR and SASE applications, Quantum DDNA levels up every aspect of your security perimeter. User behaviours are tracked and mapped against 'known' behaviours, with any changes flagged, while deep learning can be leveraged to inform – and automate better network and application design with a SASE framework.

Applying Quantum AI to eCommerce

Improving Customer Experience with Big Data

If ever there was a sector with an appetite for fresh insights and data, it is eCommerce. With ever more complex tools, such as fulfilments systems, marketing automation, and AdTech platforms forming part of the eCommerce technology stack, there's certainly no shortage of data being collected.

What delivers real competitive advantage, however, isn't the amount of data being collected, but the insight that can be derived from it. And with so many tools, potentially creating their own data silos, extrapolating real meaning can be a tough task.

Giving Context to the P&L

Business decisions don't operate in isolation: there are any number of unseen factors affecting purchasing behaviour and influencing stock control which, without AI, would go unnoticed: can last season's run of winter coats, for example, be attributed to a particularly cold spell, media scaremongering about a "Beast from the East", or a great marketing campaign?

To truly get the answer to questions like these – answers that could directly impact future business performance, you need to combine, and mine multiple data sets from across the business and outside. And this is where Quantum's Artificial Intelligence can really come into its own.

Utilising Machine Learning for UX

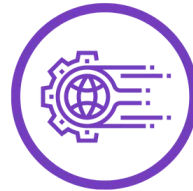
AI tools are already empowering online businesses to make better purchasing decisions and provide greater customer value by more accurately matching and predicting supply and demand. In the near future, the insights derived from Deep and Machine Learning, and from the mining of ever-more detailed consumer data will mean businesses will be able to do this not just at a macroeconomic level, but right down to individuals.

Bringing artificial intelligence and data analysis to sales and customer retention



Automated Intelligence

Manage the routine tasks by implementing this and leaving it to run for monitoring and re-checking.



Supportive Intelligence

A series of capabilities to support people, and complete projects and tasks quickly and accurately.



Full Autonomous Intelligence

Allows challenging, mundane, and repetitive tasks to be fully automated, and self-improving, unsupervised.

Take the **Next Step**

Whatever your data or security challenge, we possess the expertise, technology and mindset to make a transformative difference to your business.

To arrange a demonstration, schedule a detailed briefing, or simply to talk about your challenges, please get in touch on:

Tel: **0207 630 96833** Or email: **info@QuantumAIplc.com**

Bristol, UK

3, Portland Place
Pritchard St
Bristol BS2 8RH

London, UK

Victoria Place,
111 Buckingham Palace Road
London SW1W 0SR

Colorado, USA

400, N.Park Avenue
Breckenridge
Colorado 80424