Make Possible, The Impossible in Law

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

QUANTUM

ARTIFICIAL INTELLIGENCE

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

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.

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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.

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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.

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Applying Quantum AI to the Legal Sector

Enhancing the Legal Profession with AI

Traditionalists may argue that AI has no place in the legal profession. Lawyers, be they corporate or litigation, are hardly ever early adopters of technological advancements, and yet, the industry is in need of major change if it is to keep up with the influx of data used across corporate business.

From a legal perspective, this data can be a help or a hindrance – ranging from Intellectual Property, ownership of which may need to be proven or contested in court, regulatory compliance for such diverse requirements as GDPR, Modern Slavery and Bribery, through to operational data which informs company valuations during M&A activity.

A Better Use of Lawyers' Time

Your lawyers may be used to putting in long hours, but there are more valuable uses of their time than sifting through operational data, searching through legal directories for precedents, or processing documentation. And the hard work doesn't stop there: once found, data is likely to need explanation and context before it is of any legal value, and that context may not be immediately obvious.

Here is where the true value of AI pays dividends for legal firms and their clients: where the traditional approach may be to push such tasks to a junior associate, it can be a slow, expensive process and one prone to risk of documents and data being misconstrued or missed altogether.

AI tackles all three of these issues in one: By its nature it can rapidly search, uncover, and contextualise data across a range of sources and evaluate its value with regard to any given case or position.

That means parties on all sides can move forwards more rapidly, client bills are lowered, and junior associates can develop their skills on higher value projects.

Maintaining and Monitoring Regulatory Compliance

A growing challenge for many in-house legal teams is the increasing amount of legislation and regulation which public companies must adhere to. This can range from working time directives and modern slavery through to data protection, gender pay-gaps and anti-bribery.

What's more many of these regulations necessitate adherence throughout the supply chain. In a global business, with staff, suppliers and subcontractors dispersed across many jurisdictions, this quickly becomes unmanageable.
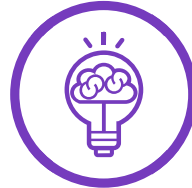
Leveraging neural networks and deep learning technology, Quantum AI's tools enable you to regain sight and control over reportable data, enabling any compliance failings to be identified, corrected, and if necessary, reported to the relevant official body with minimal delay. That can mean millions of potential savings in fines and lost business and frees internal legal teams from the drudge of manually managing data compliance.

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Bringing artificial intelligence and data analysis to law and order

Document Automation

Actively draft, track and manage changes in legal documents, link automatically to related papers and apply learnings from precedents. Taking the strain out of mundane, repetitive paperwork and speeding up business efficiency.

Intellectual Property

AI tools guide lawyers in analysing large IP portfolios and drawing insights from the content.

Data Discovery

Within any large organisation, data is often unstructured, held in multiple silos, or in places not easily accessible by the team. AI removes this obstacle by proactively identifying relevant datasets across your entire IT estate.

Predictive technology

Leveraging game theory and deep statistical analysis, AI can help inform the decision whether to bring a case to court or seek other forms of remediation.

Global compliance

Remaining compliant is key and AI can learn your compliance responsibilities at a global and regional level. Automate the application of appropriate tools to ensure your processes, staff and partners comply with those responsibilities.

Confident Due Diligence

AI helps to rapidly understand any situation by analysing past events and communication trails, enabling lawyers to advise and communicate with clients more confidently.

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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:

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