



INDUSTRY OVERVIEW

Government and Public Sector

Advanced data and analytics
solutions to transform for the future

 quantexa

Embrace shifts from the traditional to the transformational

In today's data-driven world, expectations and challenges are at levels not seen before by government agencies. Being data-driven is no longer an aspiration, it's a necessity. Government agencies need to digitally transform, build data resiliency, and get more out of legacy technologies.

Being able to unify data, address risk, and run agencies more efficiently is paramount. This is why, in a landscape that is in constant flux, solutions that work with existing data environments to make more informed decisions are so important.

One of the biggest obstacles for public sector agencies in making any of these types of decisions is fragmented and siloed data, which prevents leaders from seeing "the full picture." Agency leaders want to be in a position to allow automated, accurate decision-making where necessary, but they need the full data picture to make properly informed decisions when a person needs to make the really difficult calls.

Today, government agencies must be able to pivot quickly to meet evolving challenges that ensure a level playing field, detect and prevent fraudulent acts, secure borders, prevent terrorist threats, and deal with any of the multitudes of problems public sector agencies deal with every day. The ability to meet these challenges, and ultimately provide better services to citizens, relies on having a complete and contextual view of your data to enable swift, accurate decision-making.

Power through digital transformation with Decision Intelligence

At Quantexa, we help public and private organizations overcome the challenges of complex and poor data quality by helping unify their data, address risk and compliance, and see monetization opportunities.

One of the keys to achieving mission success is for government agencies to become truly data-driven. To realize this goal, data and decision-making must be employed responsibly and holistically. Decision Intelligence (DI) delivers on these objectives.

DI helps organizations to transform their data, which may contain inconsistencies or errors from manual inputs, into accurate and complete data that can be trusted.

From a strong data foundation, government agencies can build context through networked relationships, in addition to using machine learning (ML) and artificial intelligence (AI) to automate and improve decision-making.

Automating repetitive decisions is one of the steps governments are taking to better utilize their resources.



The formula for success

Effective and efficient decision-making is a delicate balance between people, processes, and technology. Automating the process for decisions that are presently repetitive and devour precious human resources to manage is one of the major solutions forward-leaning governments are beginning to explore, but it needs to be examined with the understanding that the process always works better when automation and people-driven decision-making work together.

Quantexa's Decision Intelligence (DI) platform enables organizations to leverage low-code data fusion to unify data, build single views of entities, and use graph analytics to generate networks,

and scoring and alerting frameworks, that help identify risk and opportunities at a massive scale by connecting billions of data points across internal and external data sources.

Key questions for government and agency leaders to consider include:

- What are you doing today to improve your data quality?
- What tools do you need to meet this challenge?
- How well equipped is your workforce to deliver on their mission to provide better-quality governmental services in the future?

Reimagine the Public Sector value chain to **protect, optimize and serve**



Decision Intelligence is the latest step in the evolution of business intelligence. Instead of merely combining all available data, without context, and presenting it to a decision-maker, DI uses artificial intelligence to provide a single, unified analytical view - to either fully automate decisions, or to help data professionals and operational handlers make faster, more accurate decisions through augmentation.

When you bring Quantexa's DI Platform into the Public Sector value chain, you can combine context with data science models to automate most decisions. Other decisions can be referred to your operational teams - intuitively presented with the context to support anything from a quick decision to a detailed investigation.

Quantexa's DI platform empowers public sector agencies to use their massive databases more efficiently and helps them to:







- **Protect revenues and payments:** find fraud and risk
- **Aid compliance:** detect risk, drive campaigns and investigate
- **Render value from data:** use all available data and analytics in your decisions
- **Build efficient operations:** automate decisions and increase productivity of staff
- **Create a human-centric experience:** enable digital from across legacy IT

Quantexa helps government leaders and officials protect, optimize, and serve with certainty and clarity—with the right data, and the right decisions.

QUANTEXA GOVERNMENT SOLUTIONS

 Fraud & Security Detect and investigate hidden fraud risk faster	 Financial Crime Faster and more accurate monitoring, investigations and detection	 Data Management Build a trusted data foundation to maximise value from your data
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Quantexa's goal is to help governments automate decision-making processes and use Decision Intelligence to run agencies more efficiently.

 Financial Intelligence Units	 Tax Services	 Customs And Borders	 Social Services	 National Health Services	 Fraud, Waste, And Abuse
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Protect Identify Fraud and hidden risk

- Identify risk across agencies with improved and predictive decision-making to proactively uncover emerging threats
- Improve security with Dynamic Entity Resolution to avoid 'pollution' of resolved entities by sensitive data sources
- Investigate networks to prevent fraudulent behavior
- Streamline examinations by exposing relationships

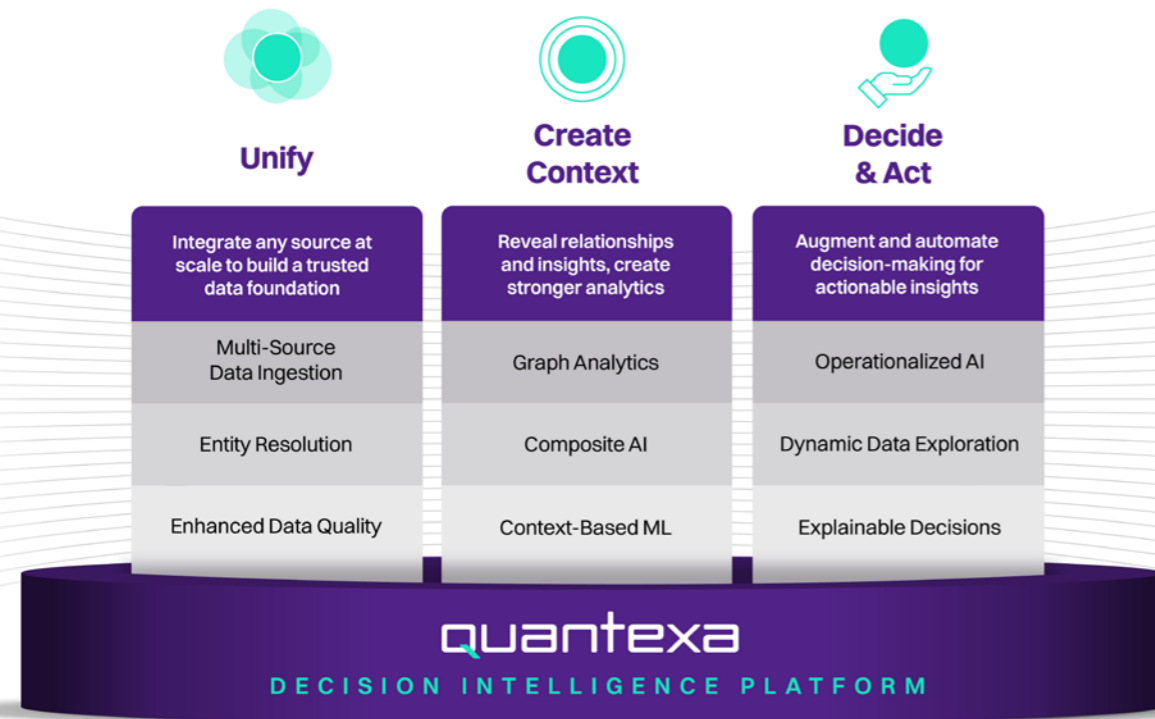
Optimize Increase productivity and efficiency

- Increase productivity by focusing on the highest priority cases through risk scoring
- Leverage organizational expertise by capturing institutional intuitive concepts in models
- Find and extract transactions, events and claims of interest automatically
- Capture investigation data to feed the authoritative case handling system
- Enhance operational efficiencies by empowering teams to effectively complete complex investigations

Serve Modernize services and increase revenues

- Unify data from across multiple sources to create an enriched, accurate and complete view of citizens and suppliers
- High ROI and effective use of valuable data assets
- Lower costs of compliance while increasing coverage
- Low TCO - ingest data once and use for many use cases

The platform to transform your decision-making



An open and modular enterprise platform for outcome-driven solutions

Quantexa helps Governments make better, more informed decisions by unifying disparate and ambiguous data and making it understandable and actionable. We use best-in-class Entity Resolution to create accurate single views that build your trusted data foundation.

Next, we help you create vital context by revealing hidden relationships in your data, generating insights that build stronger, more meaningful analytical models that identify risk and opportunity.

The result?

Teams are empowered to search and explore data in rich detail, making faster, more accurate decisions. While manual, operational decisions can be automated with confidence.

Delivering impact

The Cabinet Office is using Quantexa's powerful technology to help the UK Government detect fraud in the COVID-19 loan schemes and assist in the fight against financial crime.

The challenge

Banks and other commercial lenders administered more than £47 billion in loans through the BBLS to over 1.5 million companies. However, many of the loans guaranteed have been identified as potentially fraudulent.

The solution

Quantexa's Decision Intelligence Platform has been deployed to target organized fraud within BBLS and take maximum action against serious and organized crime groups that have exploited the scheme.

The impact

By utilizing Quantexa's Decision Intelligence (DI) platform, they've uncovered an initial 250 networks of people, organizations, and connected parties linked to suspected BBLS-related fraud.



"Quantexa has helped us narrow in on the right type of fraud — and the right type of fraud typologies—to surface networks of interest that we deem to be very high risk."

Craig Martin
Fraud Analytics Lead & Head of Programme,
U.K. Cabinet Office



PROVEN OUTCOMES FOR GOVERNMENT AGENCIES WORLDWIDE

95%
True positive rates

\$1bn
Of government fraud detected

70%
Increase in fraud detected

80%
Reduction in investigation time

180%
Uplift in Intelligence

What makes Quantexa different

Accurate

- **99%** matching accuracy for single views
- **20%** proven de-duplication of records
- Over **75%** reduction in false positive alerts

Fast

- Accelerate deployment and time to value with low-code, schema-free data ingestion
- Scale up to 60 billion records
- Reduce analysis time from weeks to hours

Open

- Easy to integrate into your existing tech stack
- Flexible, modular platform easily configured for your operations
- Extensible with multiple views and use cases

Secure

- Advanced permissioning and role-based data access
- White-box machine learning models
- Transparent scoring and alerts

Quantexa has earned the trust of governments, financial institutions and regulators in the fight against fraud and financial crime, upholding regulatory compliance. Quantexa's Decision Intelligence Platform is designed as a single, modular platform to enable organizations to increase data availability, privacy, and security.

Get started with Decision Intelligence

Demonstrate immediate value by using the Quantexa Decision Intelligence Platform with every available dataset. Here's your guide to seeing rapid and ongoing value from your Quantexa investment:



Unlock Value, Repeatedly

Start your journey anywhere across the value chain. Build out your data foundation by picking another line of business and use case, continuously adding value and leveraging your existing investments and infrastructure.



Drive Decision Maturity

Continually increase your capabilities by deploying new technology advancements, along with learning and certification opportunities for your workforce.



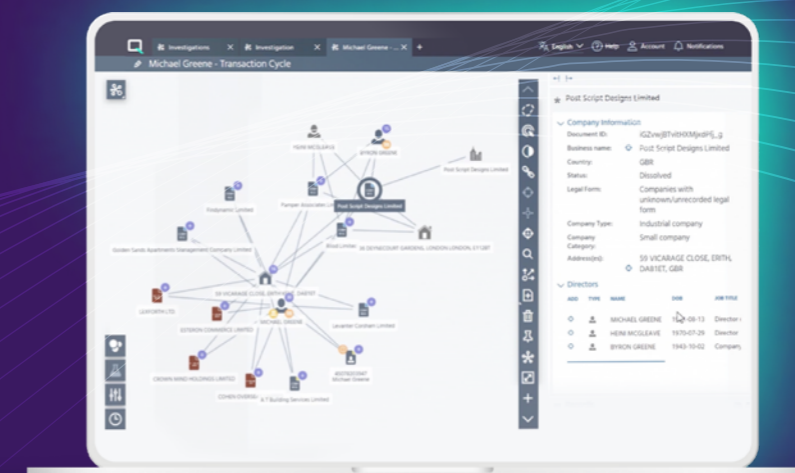
Continue Optimizing

With a unified data foundation and additional use cases, you'll create a culture of continual optimization where confident decision-making becomes the norm.



Become Resilient and Agile

Your data foundation is immediately ready for any use case, giving your organization flexibility, resiliency, and agility to be ahead of the curve and address any threat or opportunity.





Transform for the Future.

Decision Intelligence starts with us.