

Driving digital
transformation
with our customers

FUJITSU

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We believe that through the use of technology, many of the world's major problems can be addressed.

Our global vision is to create a world where people are empowered by technology to innovate, enrich lives, create new business opportunities and to improve society.

We are proud that through technical innovation we are helping to shape a better world with our customers.

Transforming the \$450 billion rice market

Could the global market for rice be transformed through blockchain? Rice Exchange thinks so. Through its Ricex marketplace, built on the FUJITSU Blockchain and Distributed Ledger Technology (DLT) platform, it is aiming to make the global trade in rice faster, more secure, and more transparent.



Challenge

Ricex needed a blockchain technology and cloud partner to take its test product to a global market.



Solution

- FUJITSU Blockchain Innovation Center (BIC).
- FUJITSU Blockchain and Distributed Ledger Technology (DLT).



Outcomes

Faster, more secure and more transparent trades. Using Ricex will result in at least 20% savings for stakeholders and 90% savings in the time it takes to trade – with an end-to-end trade completing in as little as six minutes.



“ Fujitsu enables us to remove the many barriers that have prevented transparent, low-risk trading in rice. ”

Stephen Edkins
CEO
Rice Exchange

Augmented engineering becomes a reality

GKN Aerospace wanted to add automation into the process and turned to Fujitsu AI. The result is an augmented defect recognition (ADR) solution that takes minutes rather than hours and provides wider access to critical data for smarter decision-making.



Challenge

GKN Aerospace wanted to automate its defect recognition process using AI to save time, improve consistency and increase data value.



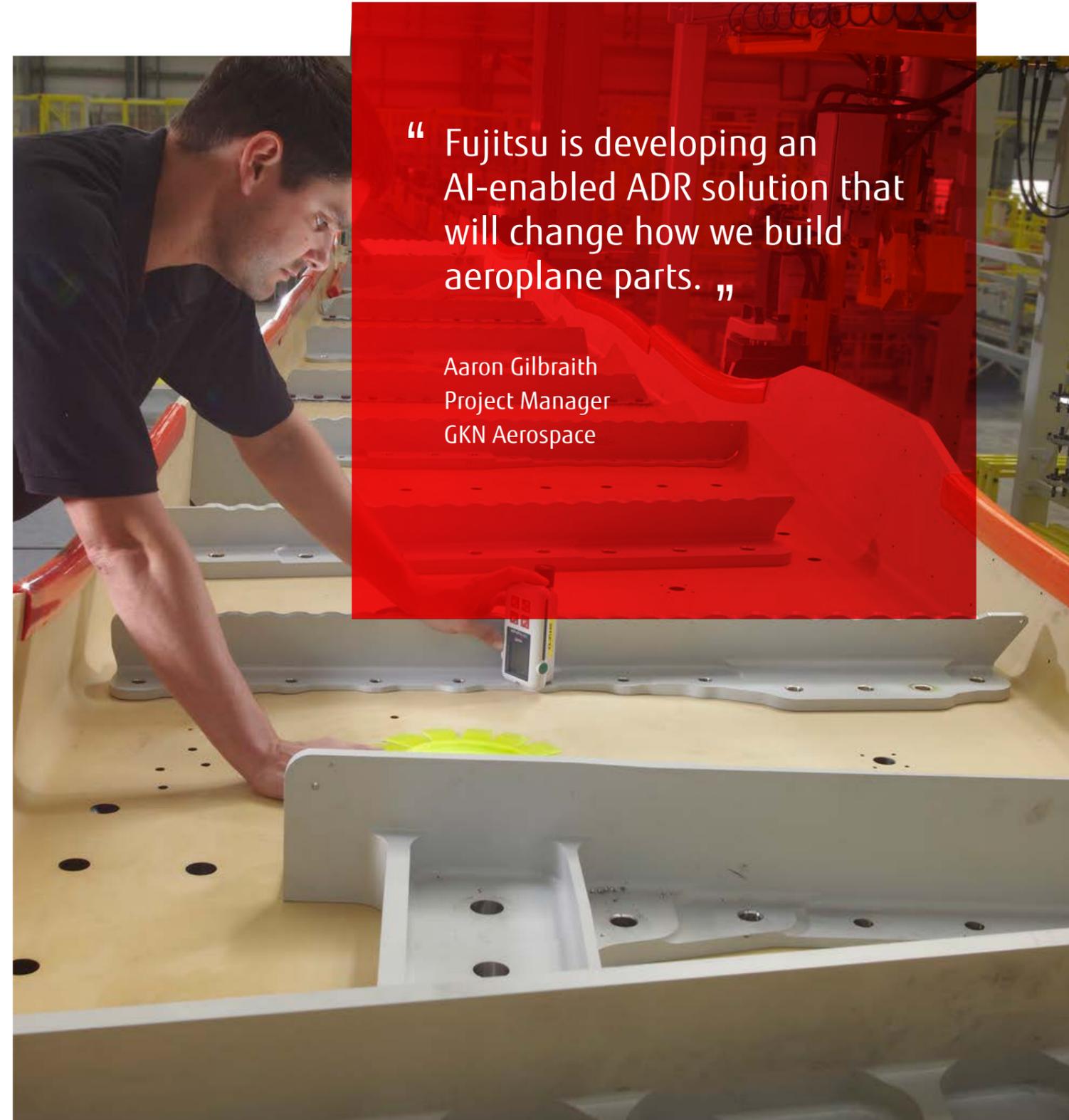
Solution

AI-enabled augmented defect recognition (ADR) solution.



Outcomes

Faster inspections, better data quality. The new AI platform will speed up throughput times by up to 50%, meaning it can produce more components in the same time. In addition, operators can take on a larger workload, offsetting the lack of new applicants.



“ Fujitsu is developing an AI-enabled ADR solution that will change how we build aeroplane parts. ”

Aaron Gilbraith
Project Manager
GKN Aerospace

Digital transformation meets bespoke styling

Onward Holdings is a global producer of clothing. It has built a smart factory in Dalian, China, capable of supporting bespoke production at mass-market. The factory is dependent on a complex IT platform to ensure production runs smoothly. Fujitsu supported Onward's digital transformation from business flow design to process development.



Challenge

To develop an IT platform on which to manage a digital, smart factory producing bespoke clothing orders.



Solution

A single platform automating process management and route configuration for each order.



Outcomes

Made-to-measure at mass-produced prices. By successfully automating the mundane processes and intricate calculations, Onward has significantly reduced its delivery times.



“ The Fujitsu production management platform allows us to digitize customer information and gather data on the production efficiency of each process. ”

Gogo Tanaka
General Manager for Information Systems
Onward Holdings

Mapping Australia's energy future

The market for electricity is changing and the grid needs to adapt. ElectraNet is evolving to ensure South Australia's electricity transmission network provides secure, reliable and stable power. Working with Fujitsu to upgrade its SAP® environment, data tasks that previously took minutes are down to a few seconds.



Challenge

ElectraNet wanted to upgrade its approach to data warehousing to deliver faster insight to the business.



Solution

Through SAP's remote conversion process, Fujitsu supported the migration from the SAP BW 7.4 platform to SAP BW/4HANA.

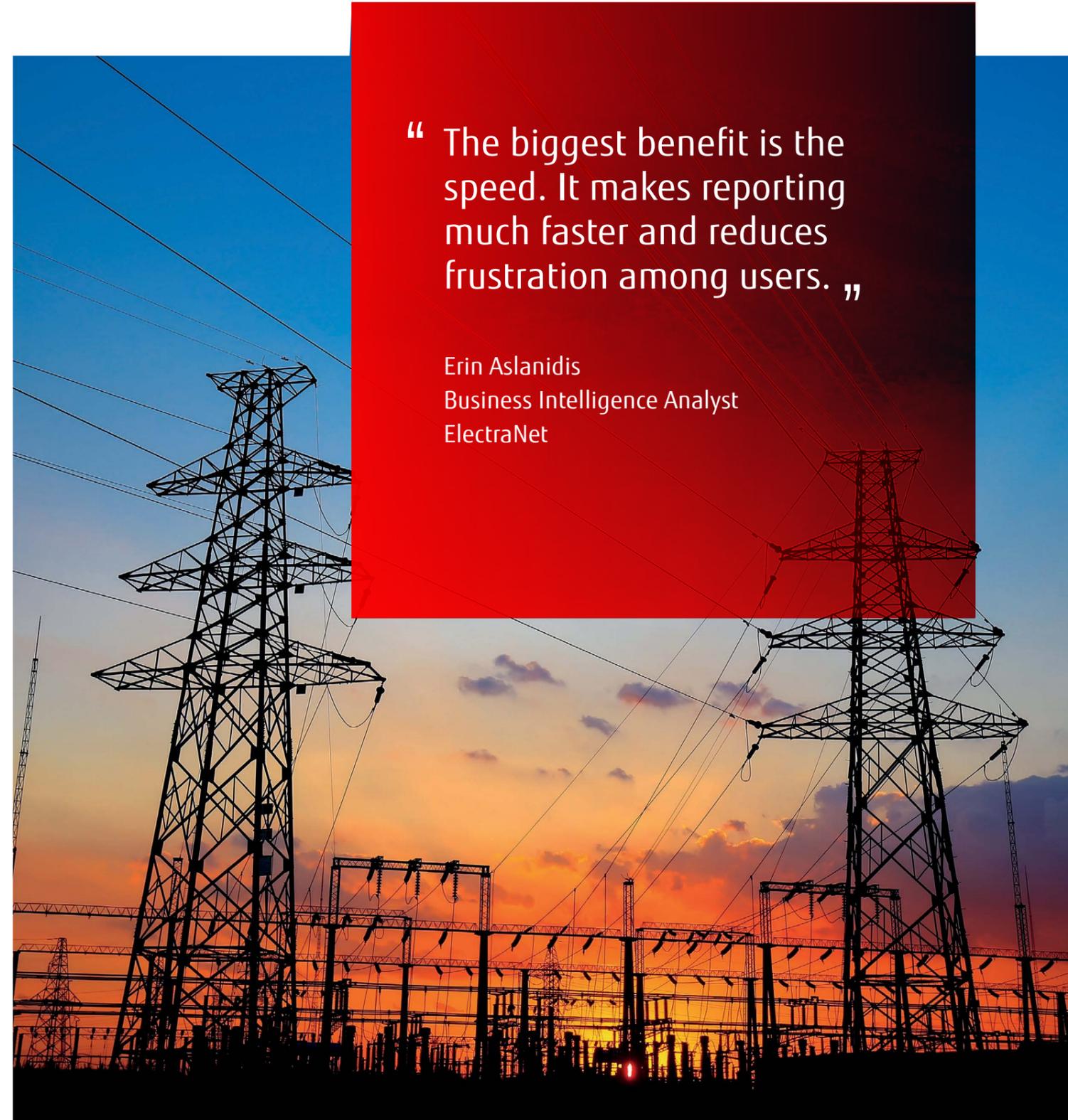


Outcomes

Faster performance, smaller data footprint. Tasks that previously took minutes are down to a few seconds and query rates are now 73% faster. This responsiveness made users more productive and helped to attract more users to the system.

“ The biggest benefit is the speed. It makes reporting much faster and reduces frustration among users. ”

Erin Aslanidis
Business Intelligence Analyst
ElectraNet



Reducing risk on the high seas

Singapore MPA is using FUJITSU Human Centric AI Zinrai to detect ship collision risks and predict areas where these risks are concentrated as dynamic risk hotspots. This risk detection technology was able to quantify risk in more detail, in advance, than human operators.



Challenge

MPA wanted to develop an AI platform that would proactively identify potential collisions for vessels at sea.



Solution

Fujitsu built a new ship collision risk prediction solution based on AI Zinrai.



Outcomes

Seas that are faster, clearer and safer. The new Fujitsu technology proactively detects vessels at risk and provides useful information to both maritime traffic controllers and vessels. Vessels can then recognize the risk and strategically adjust the maneuvering to avoid it. This risk detection technology demonstrated the ability to quantify risk in more detail in advance of the detection by human operators.

“ Fujitsu has built a new ship collision risk prediction technology that leverages the power of artificial intelligence to predict near misses between vessels. ”

Representative
Maritime and Port Authority of Singapore



Accelerating drug discovery through collaboration

Traditional drug discovery is time-consuming, with lead times of up to 48 months to discover new molecular leads. With Polaris^{qb}, it combined Fujitsu's Digital Annealer with Polaris^{qb}'s quantum mechanics and molecular mechanics (QM/MM) simulations to expand the size of the searchable chemical space.



Challenge

To accelerate the drug discovery process to fight diseases using quantum-inspired computing, machine-learning and QM/MM.



Solution

A platform combining Fujitsu's Digital Annealer with Polaris^{qb}'s chemistry and machine-learning algorithms to speed up drug discovery.



Outcomes

Speeding time to market for lifesaving treatments. Fujitsu's quantum-inspired Digital Annealer is up to 10,000 times faster than any other currently available alternatives, without the added complications and costs typically associated with quantum computing methods.



“ Our expertise in chemistry and machine-learning, combined with Fujitsu's technology and experience, means we can identify viable molecules quickly. ”

Shahar Keinan
CEO & Founder
Polaris^{qb}



Let's get started

If you're interested in finding out more, please contact your Fujitsu Account Manager or the Global Customer Reference Program at:

References@uk.fujitsu.com