Let's reimagine customer outcomes

Get inspired by these data-driven examples from our customers

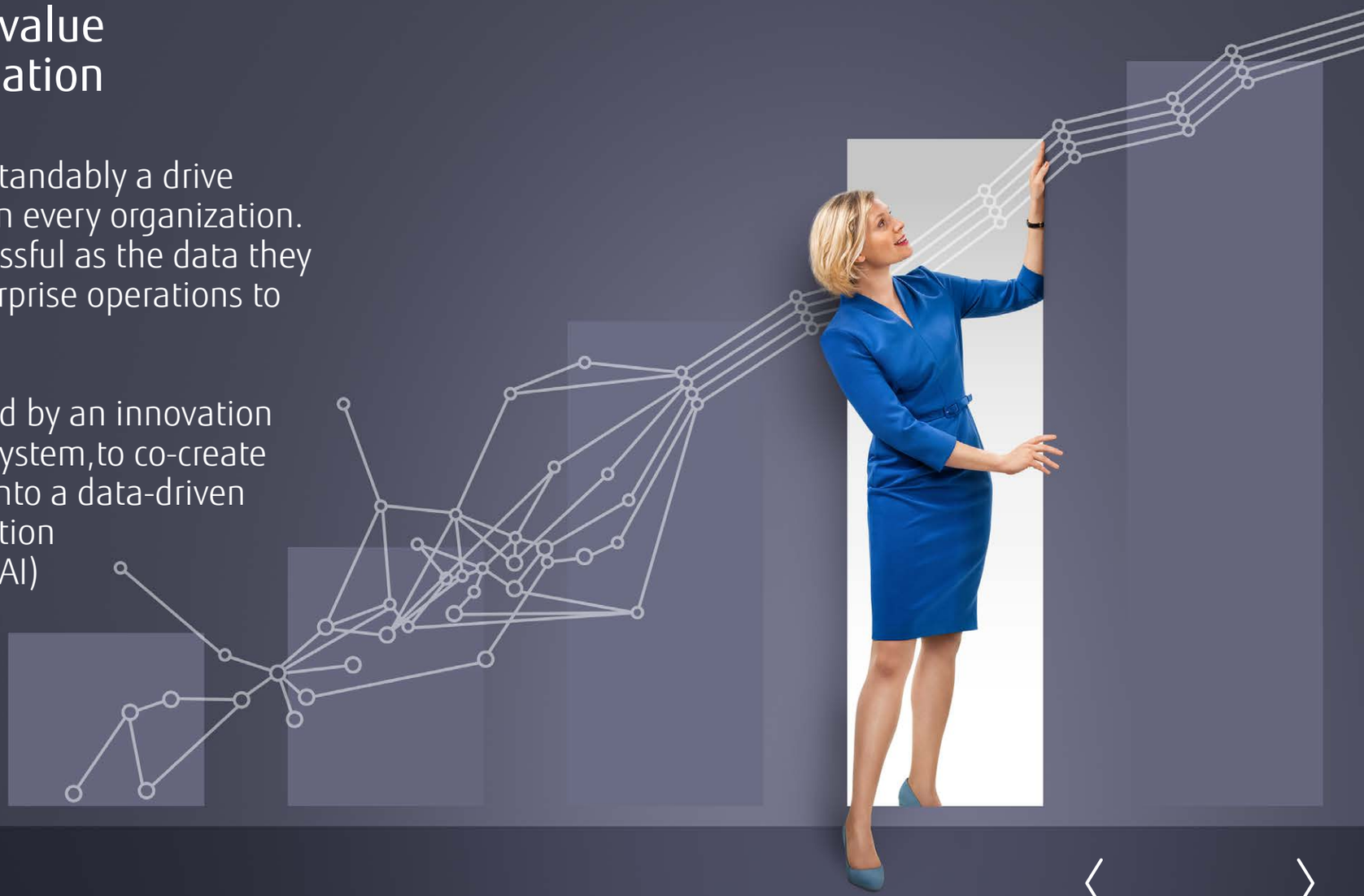
FUJITSU

shaping tomorrow with you

Let's reimagine customer new value through data-driven transformation

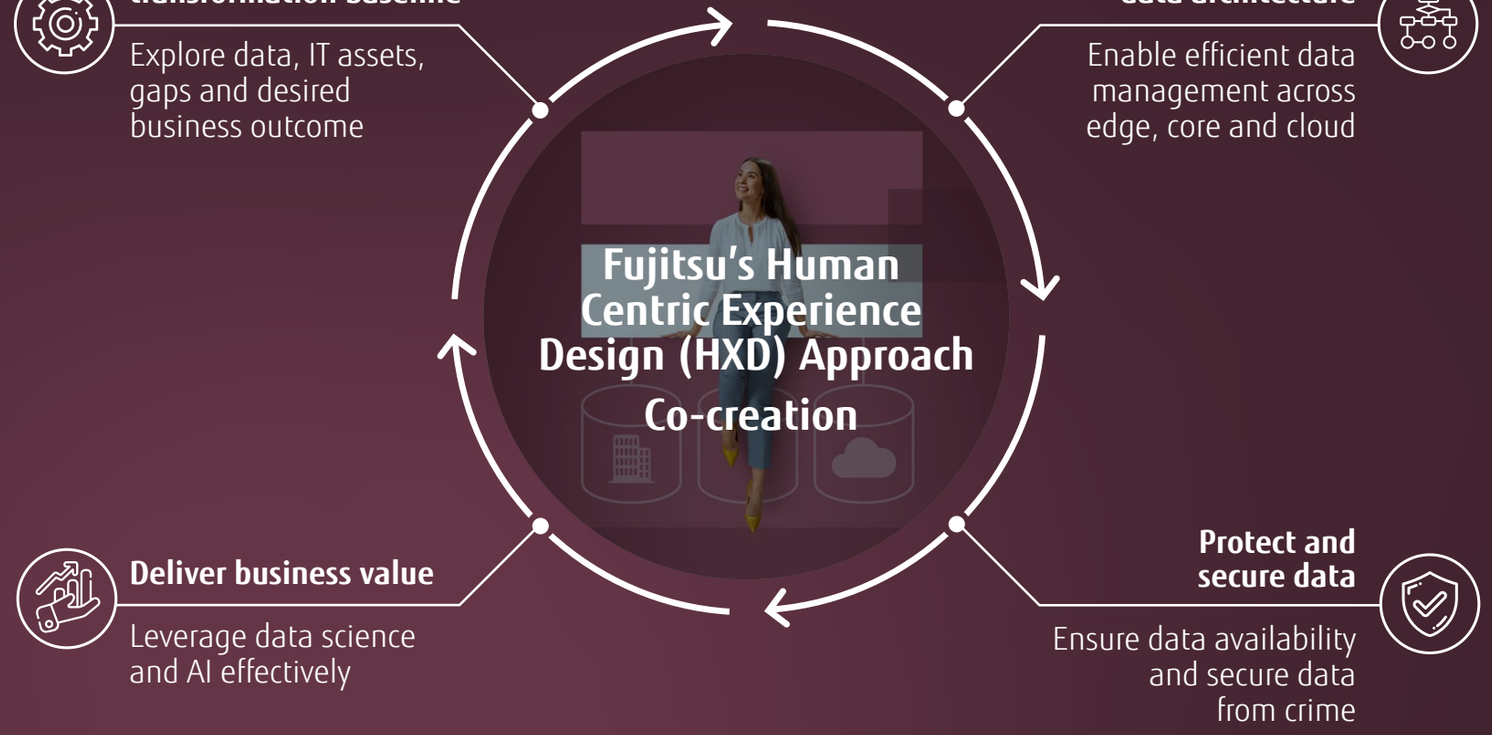
There is a huge value in data and understandably a drive towards digital transformation initiated in every organization. Organizations today can only be as successful as the data they can capture and integrate into their enterprise operations to make disruptive business decisions.

Fujitsu has a proven methodology, backed by an innovation rich environment and broad partner ecosystem,to co-create with organizations and transform them into a data-driven enterprise, by adopting the latest innovation in technology, like Artificial Intelligence (AI) and data science.



Data-driven transformation through co-creation

Fujitsu partners with customers on every aspect of data-driven transformation and throughout every phase of projects, from initial consulting through to designing and building the solution. Many organizations have already benefited from Fujitsu's expertise to unlock value in data to drive business outcomes.



Saving €200m of tax expenditures with Data Analytics

Portuguese Social Security Agency

Project

The Portuguese Social Security Agency needed better insights from its data to detect fraudulent behaviours in the allocation and payment of sickness benefits.

Working with local partner WWS to deploy Integrated System PRIMEFLEX for Hadoop to implement the necessary algorithms to identify patterns of behaviour that could reveal situations of fraud.

„Without IT, Portuguese social security could not perform its tasks. With Fujitsu, we are using PRIMEFLEX for Hadoop to help digitally transform social security."

Wilson Lucas, Instituto de Informática da Segurança Social, Portuguese Social Security

Benefit

The platform Fujitsu and WWS built enables The Instituto de Informática da Segurança Social to prepare and process large and unstructured data volumes in near realtime, ensuring analysts gain valuable knowledge for the investigation of fraudulent sickness claims.

- Efficient harvesting of data from multiple sources
- Easy analytics with templates and visualization tools
- Identify patterns of fraudulent behaviour
- Huge reduction in fraudulent claims with potential savings of €200m

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Building a strong alliance
SJ Solutions

Project

As part of exploring new opportunities and offerings within the XSPs ecosystem, SJ-Solutions wanted to create an entirely new service provider category around secure data management. The challenge was to find the right partners and an environment to enable the idea to mature into a formal proposal.

SJ-Solutions was invited to join more than 25 C-Level participants in Lapland to take part in a Fujitsu co-creation event, which enabled them to create new visions and develop new concepts for rapid market implementation. This led to the development of the 'Green Cloud' offering.

„Fujitsu's co-creation approach is about collaborating in an ecosystem to create new visions and generate tangible concepts that will create new business value for a whole industry."

Sander Rittersma, Director SJ-Solutions

Benefit

- Co-creation enabled the development of the 'Green Cloud' offering
- Provides best-in-class data protection on a pay-as-you-go basis
- Guaranteed full autonomy and security within the 'Green Cloud'
- Easy self-service and insights through a personalized and secure user interface
- Multi-Cloud support to stay in charge of data

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AI cuts turbine inspection time by 80%

Siemens Gamesa

Project

Siemens must put each of the 5,000 blades it produces annually through a stringent quality assurance process. Any flaws when a blade is in operation could prove catastrophic and could inflict major damage to the company's reputation. However, manually evaluating UT scanning of each blade takes up to six hours.

The company wanted a faster solution that wouldn't compromise on accuracy or safety. Working with long-term partner Fujitsu, together they co-created an Artificial Intelligence solution that could automatically detect flaws through machine learning and deep learning capabilities.

"Fujitsu's ground-breaking Artificial Intelligence technology dramatically cuts the time required for an inspection of turbine blades."

Kenneth Lee Kaser Head of Supply Chain Management Siemens Gamesa

Benefit

Fujitsu delivered the complex and tailored AI software with a flexible licensing model, which meant that Siemens was able to minimize upfront investment. The solution is also designed to easily scale to include new models of wind turbine blades.

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Enabling a healthier society

GE Healthcare/Macquarie University

Project

Together with GE and an Australian University, Fujitsu lead an initiative, focused on developing a solution that leverages Artificial Intelligence to precociously detect and monitor brain aneurysms.

GE Healthcare will contribute through its leading medical imaging technology. Macquarie University and Macquarie Medical Imaging will provide clinical expertise for the development and testing of the technology. Initially the project will focus on refining the technology with a view to creating a fully commercialised solution that will be distributed initially through radiology practices in Australia and eventually on a worldwide basis.

"We are pleased to be part of this important 'co-creation' initative that leverages the strengths of each of our partners, as well as Fujitsu's experience in AI to have a positive impact on peoples' lives.

Mike Foster, Chief Executive Officer of Fujitsu Australia and New Zealand

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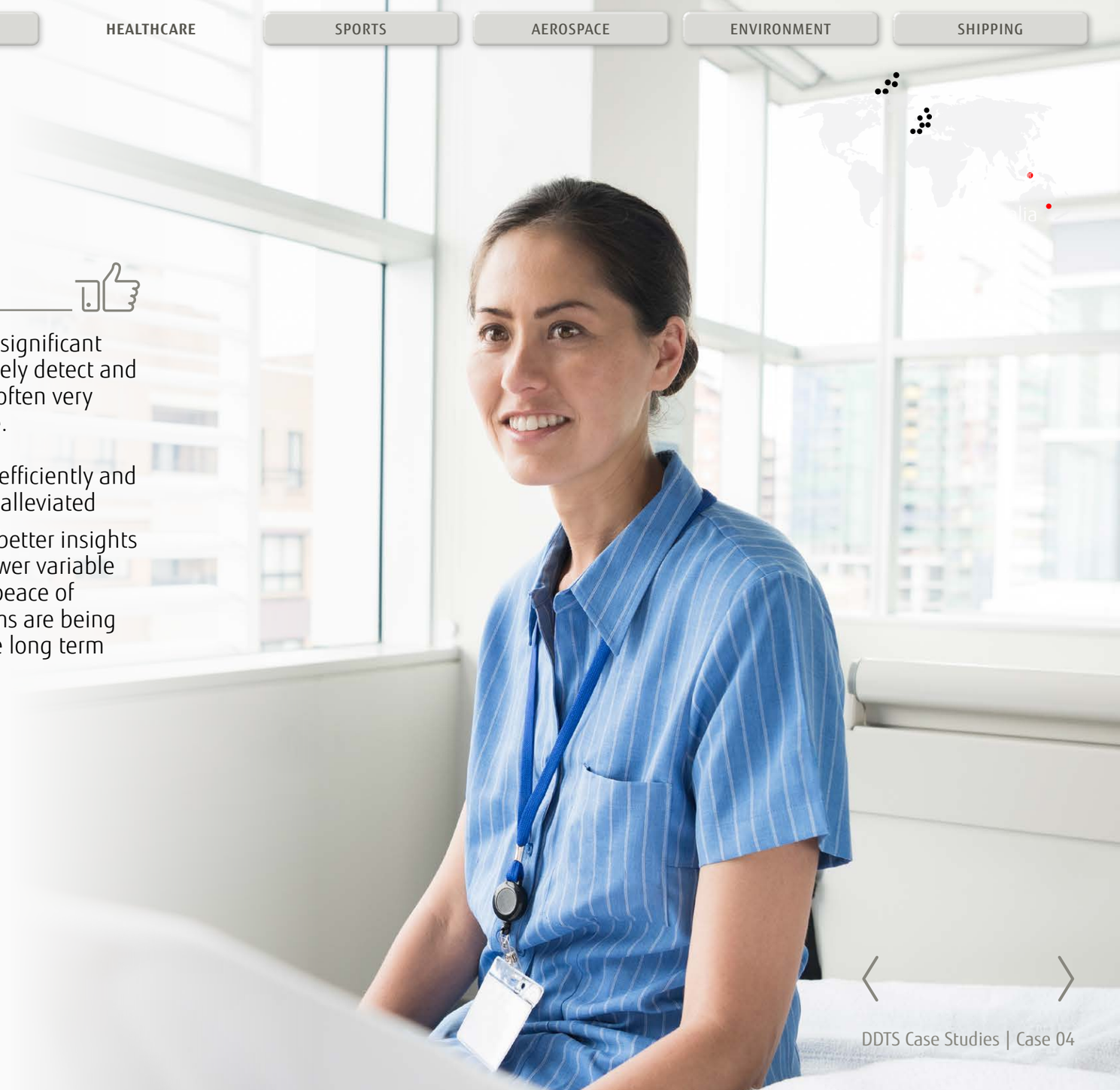
Benefit

Solution will help overcome the significant challenge to rapidly and accurately detect and monitor brain aneurysms, with often very limited time to review each case.

- Patients can be helped more efficiently and bad illness conditions can be alleviated
- AI application allows doctors better insights much earlier and produces fewer variable results Patients with greater peace of mind, knowing that aneurysms are being effectively monitored over the long term



Supporting judges' decision-making by AI
International Gymnastics Federation

Project

It is extremely difficult to provide accurate scores during gymnastics competitions, which involve rapid movements and complex skills. But the sporting world wants technology to help realize fair competitions by eliminating inaccurate scores, while also increasing enjoyment for viewers and bringing innovation to the area of athlete training.

Fujitsu's AI and 3D laser-based solution enables the accurate scoring of gymnastics without the need for sensors attached to athletes.

„Fujitsu is a company that can turn the incredible into reality. Indeed, I believe this type of approach is vital for companies to grow and prosper. It is truly a pleasure to engage with a company focused on achieving a dream, rather than being preoccupied with short-term profits."

Morinari Watanabe,
President The International Gymnastics Federation

Benefit

- Protection of gymnasts through fairer evaluation of top athletic performances
- Intelligent system to support the judges' evaluation process

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Using unsupervised AI to detect data anomalies

Airbus helicopter

Project

Top ranking in the Airbus AI Gym challenge for accurate sensor monitoring went to Fujitsu for developing a way of using unsupervised AI to detect anomalies in accelerometer data from Airbus pre-certification helicopters, ahead of 140 other teams participating in this helicopter challenge.

Fujitsu's winning solution achieved 93% precision, leveraging its "DeepTAN" Unsupervised AI Model created by the company's sub-division, Fujitsu Systems Europe (FSE). The solution took data sequences from multiple sensors and analyzed them across a fixed time period, detecting abnormal sensor behavior using a deep learning algorithm.

"Winning first prize in this data challenge not only underlines Fujitsu's world-leading AI expertise and technologies - it also provides concrete evidence of our ability to apply them to real-world business scenarios."

Ian Godfrey, Director Solutions Business at FSE

Benefit

This winning solution achieved 93% precision. It identifies when sensors are functioning unusually and shows early warnings for vehicle faults effectively and efficiently.

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Improve flood warning systems
The Environment Agency

Project

The Environment Agency wanted to improve its flood warning system and make it more cost-effective by changing from licensed to open source software and databases, and moving dedicated hardware to the cloud – thus enabling a more flexible, portable and resilient approach.

Together, they built a multi-channel, virtualised flood warning system which integrates seamlessly with mobile operator systems.

„Fujitsu has added features, such as group targeting and universal templates, which speed up the flood warning message sending process. We can create an entirely new warning, in 20 minutes rather than half a day"

Simon Nebesnuick, Flood Warning System Product Manager Environment Agency

Benefit

- The system delivers flood warning messages to users faster via configurable channels
- A streamlined and intuitive interface reduces manual input, allowing messages to be issued quickly
- Fujitsu has added, and continues to add, new features, such as group targeting and universal templates, which speed up the alert process
- Fujitsu and the Agency are now working together to continuously improve the service using a DevOps team and Agile methods

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Tackling Maritime Greenhouse Gas Emissions with AI
Kongsberg Digital

Project

Today, ship owners and operators are facing significant increases in fuel costs – one of the biggest operating costs for maritime operators – to meet new low-sulfur fuel regulations from international and EU regulators.

The Fujitsu Vessel Fuel Optimization (VFO) service is the first offering resulting from a new partnership between Fujitsu and Kongsberg Digital, a leading worldwide provider of next generation software and digital solutions to customers within maritime, oil & gas, and renewables & utilities sectors.

"The shipping industry is about to undergo a global shift to a new fuel, with implications so enormous they have been compared to the change from coal to steam."

Yves de Beauregard, Head of Digital Business Solutions at Fujitsu EMEIA

Benefit

The Fujitsu VFO service is easy-to-use and applicable across a broad range of shipping classes, generating immediate and substantial savings for customers, while putting them on course to meet greenhouse gas reduction targets for the maritime transport sector.

No sensor or software installation is required on vessels, as the service is a web-based application that can be deployed immediately. It uses AI to learn ship captains' strategies and ships' performances, combines this with meteorological and hydrographic forecasts, such as wind, waves and ocean currents, and recommends optimal routes to maximize energy-efficiency, safety and profitability.

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Use data to reimagine your customer outcomes

http://www.fujitsu.com/data-transformation

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