Shaping the
future of digital
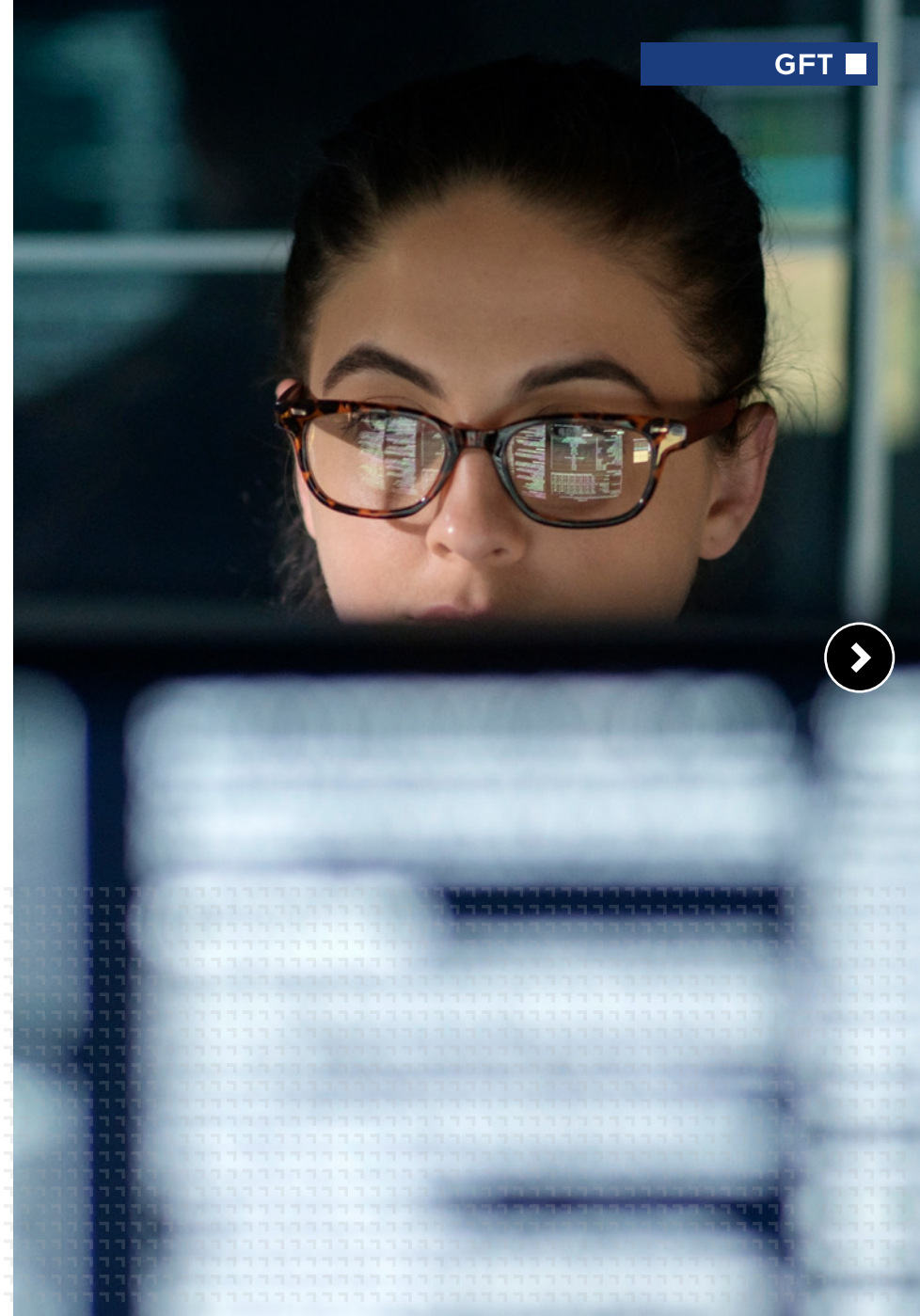business

GFT Industry
Solutions

SPHINX OPEN

GFT ■

Data: a key success factor for your digitally sustainable business model

SPHINX OPEN provides you with a 100% dependable central source of data, ideal for creating a future-proof, data-driven business model. Even with the most complex projects, SPHINX OPEN is 50% faster, also improving efficiency by up to 30%.

We can help with the setting up of a digital factory of the future, drawing on a logical digital twin platform that offers ultimate transparency.

Because everything is networked, real-time data can be used to make crucial business decisions that are both coherent and rational.

Join us in becoming smarter, faster and more sustainable by tapping into the full potential of your real-time data.

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Boost your returns by up to 30% by taking control of complex and divergent data in real time

Your requirements

Need to network, analyse and optimise machines, buildings, power systems, processes, production facilities or business data? Do you keep uncovering business and operational data – tucked away in different systems in different formats (ERP, PLM, MES, SCADA, etc)? Need to integrate everything into a central data platform?

Do you need to provide different users with access to real-time data, but only if they're authorised? Want to automate the process of generating key information for decision-makers? Need to automate the efficient running of your smart factory? With SPHINX OPEN, all of these things are possible.

Shopfloor

Management energy

Management systems engineering
such as machine costings and project budgeting

Our answer

Our SPHINX OPEN platform creates a bidirectional process twin to offer you significantly more possibilities than unidirectional data transfer based on conventional IIoT platforms. The platform is based on a central data model. This allows you to tap directly into different data sources, such as machines and electricity meters. You can also map things like energy cycles as digital twins. Thanks to AI processes – which react fully automatically in real time – you can also rely on information to be available at any given time in case you need to make a crucial decision or intervene in processes.

01 Fast implementation
SPHINX OPEN allows you to reduce the initial development outlay of setting up a logical digital twin platform by at least 50%, simultaneously minimising risk.

02 User centricity
SPHINX OPEN is fully customisable. The platform comes with all required tools and interfaces, including a wide selection of dashboards, indicators and controls.

03 Highly scalable
With SPHINX OPEN, you can start small and expand quickly to include other application scenarios. Our system remains independent, so it can be modified and scaled without disrupting your everyday business operations.

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A platform that grows with
your requirements

As well as enjoying full cost control, data security and process flexibility, your information becomes more dynamic, ensuring it's available to the right people in the right place at the right time.
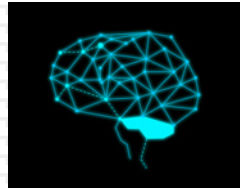

MUCH MORE THAN STANDARDISED DASHBOARDS AND COCKPITS
Conventional dashboards access data held by machines, sensors and processes. They then display information to users in the form of plots and graphs. Rather than adopt such a unidirectional approach, SPHINX OPEN works bidirectionally. This allows you not only to share information with the systems that provide you with the data, but also to directly control them.

A CENTRAL DATA MODEL
Based on a powerful concept that we call the Model in the Middle™, SPHINX OPEN provides access to an end-to-end framework for building central data models. By integrating data vertically from the physical world and connecting it horizontally to business processes, SPHINX OPEN allows you to set up event-driven systems.

USING AI AND ML TO PREDICT THE FUTURE
As well as enriching your data model with external data sources such as weather data, with SPHINX OPEN you can leverage cloud-based artificial intelligence (AI) and machine learning (ML) to calculate and forecast potential scenarios – and thus improve decision-making in the real world.

HYBRID CLOUD ARCHITECTURES
Our technology makes it possible to deploy hybrid models on the edge, on your premises or in the cloud. And because flexibility is equally important to you, we make use of high-performance computing exactly where it's needed. This allows us to ensure the lowest possible latency times and 24/7 availability in any kind of production-critical environment.

OUR EXPERTISE

30+ years of experience
We have been shaping the future business of our clients for over 30 years thanks to the very best in integration and visualisation expertise.

1.000+ international projects
Customer satisfaction runs through our veins. We work with our partners to continuously develop new solutions and invest in R&D.
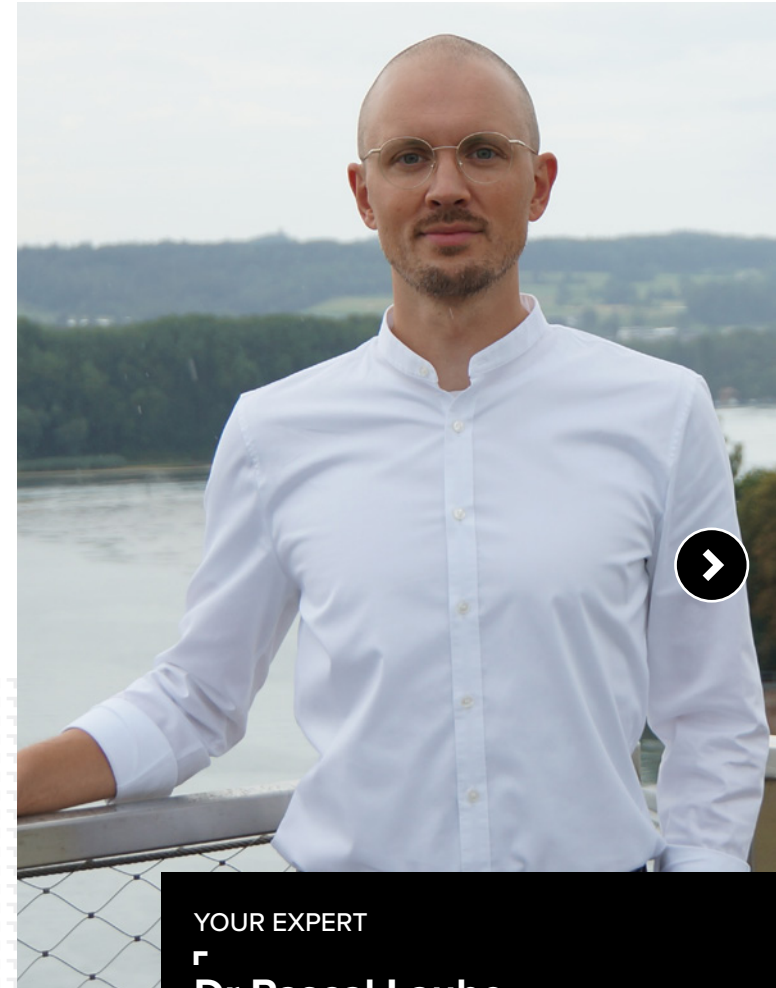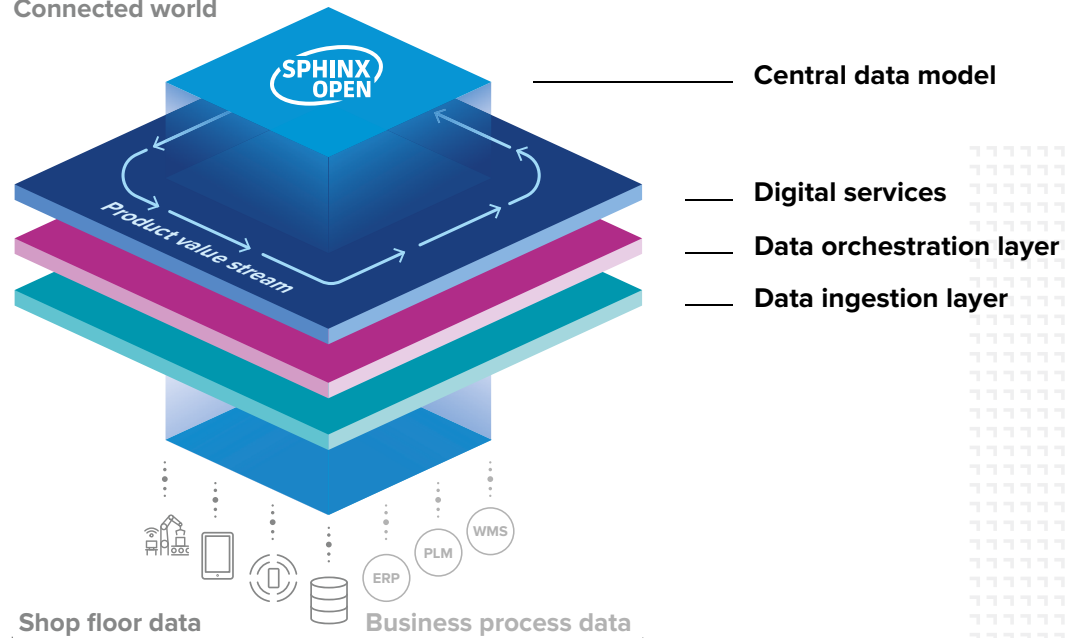
Certified under DIN ISO 9001 and TISAX
Maximum added value based on sustainable solutions: we develop software according to the very highest standards.

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How we create digital value – the SPHINX OPEN architecture

The modern multi-layer architecture offered by SPHINX OPEN provides full IT and OT connectivity. Objects are managed on an event-driven basis, enabling a central data model for operations. This can also be enriched to include individual web services and standardised cloud services.

Connected world

SPHINX OPEN

Product value stream

Central data model

Digital services

Data orchestration layer

Data ingestion layer

Shop floor data

ERP   PLM   WMS

Business process data

YOUR EXPERT
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ABOUT

GFT

Shaping the future of digital business

GFT is a digital transformation pioneer that develops sustainable solutions based on new technologies including artificial intelligence and blockchain/DLT. Services range from core system modernisation and migration to open cloud platforms, as well as the introduction of carbon conscious coding.

GFT's strengths include deep technical expertise, strong partnerships and comprehensive market insights. The company uses them to design digital transformation for clients from the finance and insurance sectors as well as the manufacturing industry. Through the intelligent use of technology it adds value and increases productivity for clients. GFT experts create and implement scalable software applications that make access to innovative business models safe and easy.

With locations in more than 15 markets around the globe, GFT ensures proximity to its clients. The company draws on over 35 years of experience and a global team of over 10,000 determined talents. GFT provides them with career opportunities in the most innovative areas of software engineering. The GFT Technologies SE share is listed in the SDAX index of the German Stock Exchange (ticker: GFT-XE).

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