

Technologies for Service Business Models

BearingPoint | Consulting Partner for Service Management

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Your speaker today!





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Webinar-Reihe Innovationsforum Supply Chain: Digitale Lösungen erlebbar machen

In Kooperation mit der Deutschen Messe Technology Academy stellen wir Ihnen in unserer **Webinar-Reihe** "Innovationsforum Supply Chain: digitale Lösungen erlebbar machen" innovative Lösungen entlang der Wertschöpfungskette vor, die sich schnell und nachhaltig umsetzen lassen.

Teil	Titel	Termin
1	Virtual Reality als Beschleuniger für die Prozesstransformation	23.03.2022 / 9:00-10:00
2	Bestand optimieren mit künstlicher Intelligenz	06.04.2022 / 9:00-10:00
3	Digitale Instandhaltung - neue Potenziale verwirklichen	27.04.2022 / 9:00-10:00
4	Moderne Instandhaltung mit Fokus auf die Auftragsabwicklung via SAP FIORI Apps	12.10.2022 / 9:00-10:00
5	Zeitgemäße Technologien zur Abbildung von Service Geschäftsmodellen	23.11.2022 / 9:00-10:00

- Die Webinare werden aufgezeichnet, Ihre Fragen <u>während des Vortrags</u> werden daher ebenfalls aufgezeichnet.
- Die Fragerunde <u>nach dem Vortrag</u> wird nicht aufgezeichnet.
- Alle Teilnehmenden sind auf «Stumm», bitte selbstständig die Stummschaltung aufheben bei Wortmeldungen.
- Bei Fragen während des Vortrags, bitte die virtuelle Hand heben oder direkt in die Chat Funktion schreiben.
- Die Präsentation wird auf Deutsch gehalten, die Folien sind in Englisch.
- Auf der Veranstaltungswebseite werden die Präsentationen und die Aufzeichnung zum Download zur Verfügung gestellt.

BearingPoint at a glance

€757m
Total revenue CY2020

12.346
Global alliance headcount

183
BearingPoint Partner

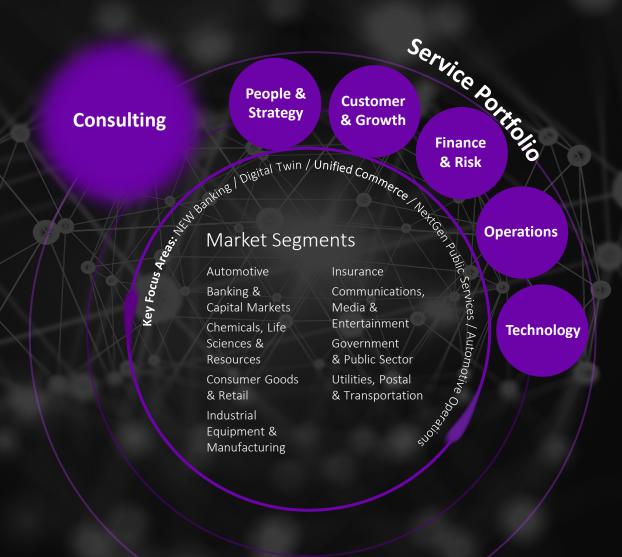
2009Foundation year as BearingPoint European partnership

17
New IP products

78Countries we work in

41BearingPoint offices

4.639
BearingPoint people



We deliver management and technology consulting with a difference. We drive change in our clients' businesses by creating customized solutions on a personal basis

We develop
strategies und processes
for sustainable and measurable
added values.

Always focusing on customers.
We develop individual solutions
- always considering the customer's
requirements -

... and implement
the right technology
to target achievements and
results.

Business
Strategy

Operational Strategy
& Conceptual Design

Change
Management

Project/Program
Management

Process & System
Implementation

Outsourcing

BearingPoint NEW Consulting Approach



Industry trends and stress in after sales service

After sales is subject to high pressure to change



Need for efficency

Increased cost pressure and efficiency targets in after sales



Employee shortage

Management of skilled workers and attractiveness of the workplace for young employees



New business

Development of new business models and position of after sales



CO₂ reduction

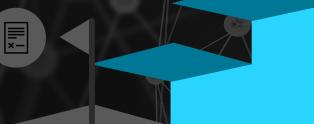
Sustainability trend and impact on field service

Maturity of service business models vary in practice

Service as a key success factor for *as-a-service* business models

Planned maintenance and full-service contracts

Maintenance contract with machines sales (e.g., SLA with repair guarantee 24/7) up to full-service / operator model



Servitization of production factors

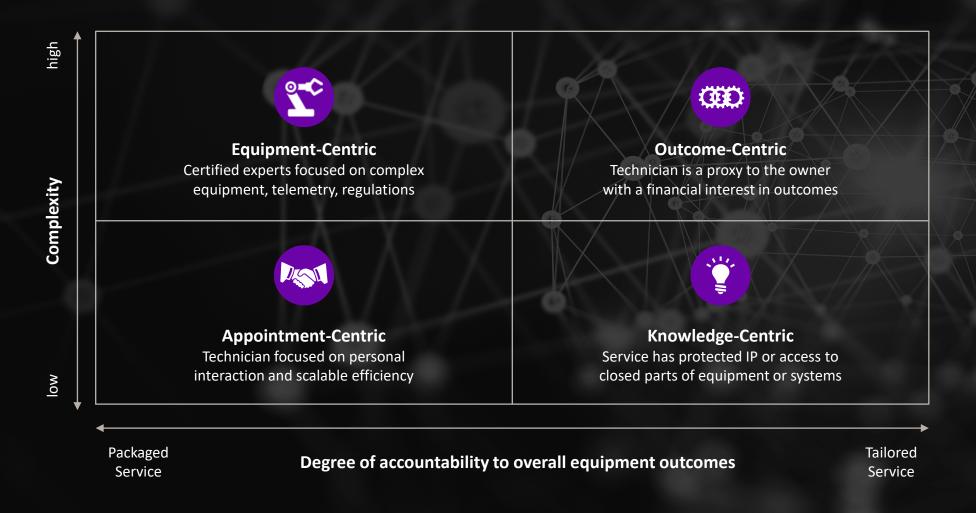
Service with performance specifications (performance contracting), machine contracting with labor-dependent usage fees (power-by-the-hour), zero-downtime contracts

Individual and project contracting

Break and fix, repair workshop, specialist services to customers as an equipment manufacturer

The business model determines the focus of digitization initiatives and the use of appropriate technologies.

Overview of business models



84%

of firms state outcomebased business models are a high or critical priority

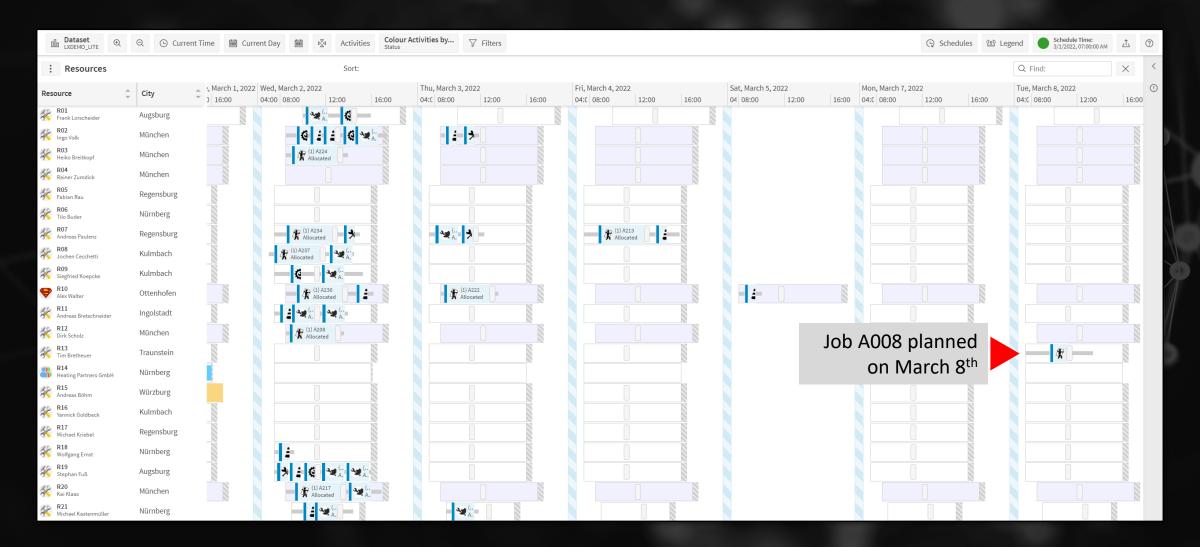
59%

Strongly believe that revenue from servitization and outcome-based business models will exceed standalone hardware / equipment sales in the next 5 years

Proposed field service job for optimized scheduling

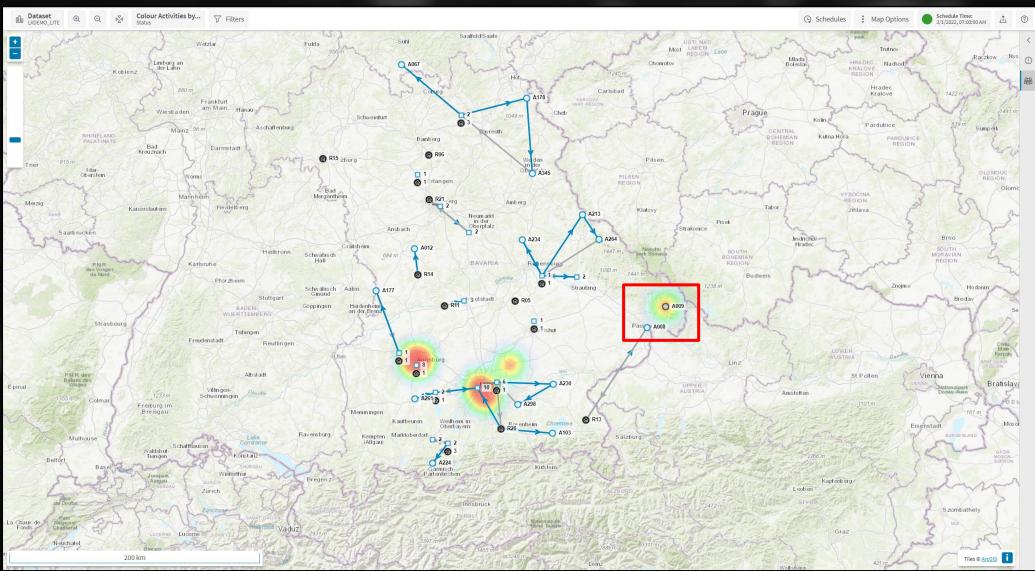
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Planning proposal from the maintenance planning



Resulting in a current schedule: Resource13 travels to A008, A009 not yet booked

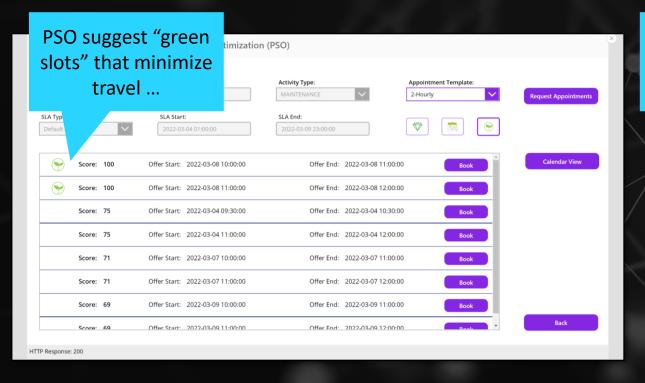


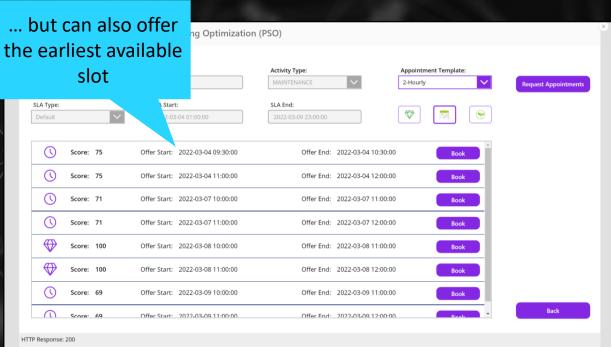


Customer portal appointment booking scenario

... Options for additional EBIT or to nudge the customer behavior







To generate added value for customers an appropriate orchestration of exiting technologies is key.

Customer Example of technology usage to leverage equipment-centric and outcome-based business models



BearingPoints IIoT Starter Package allows to take rapidly your machines to the cloud!

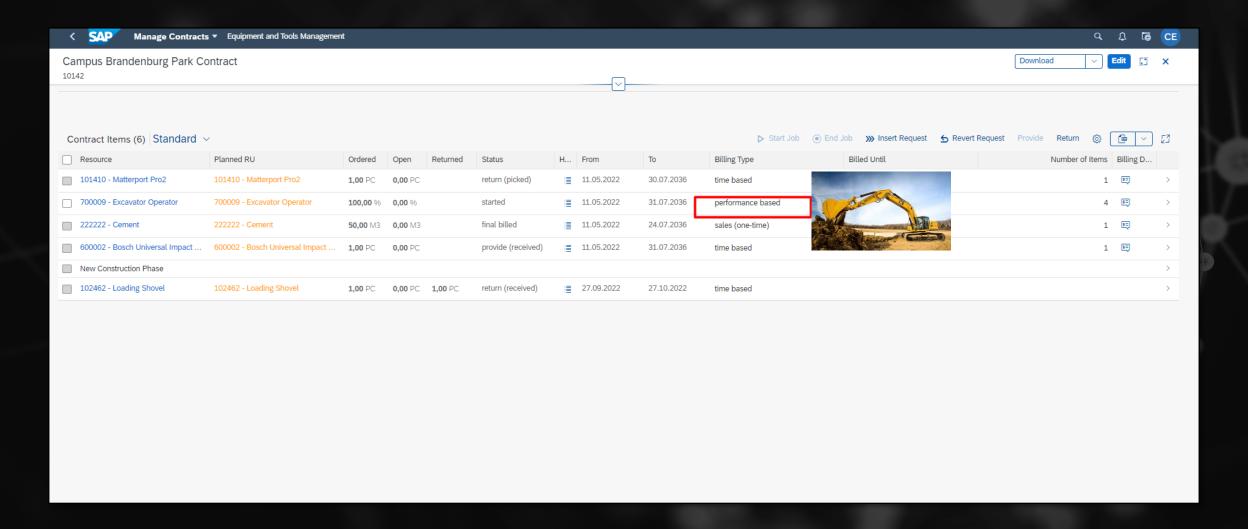
A service offering to start quickly with IoT

- Your entry point to Industrial Internet of Things (IIoT)-based Condition Monitoring
- A packaged solution compromising the following components:
 - Assisting with the Installation support for included IIoT gateway, hub and sensors
 - Activation of cloud components, including a 3 months Microsoft Azure subscription
 - Automatic downtime detection algorithm
 - Sensor data visualization and condition monitoring in cloud dashboard
 - Consulting service and use case analysis



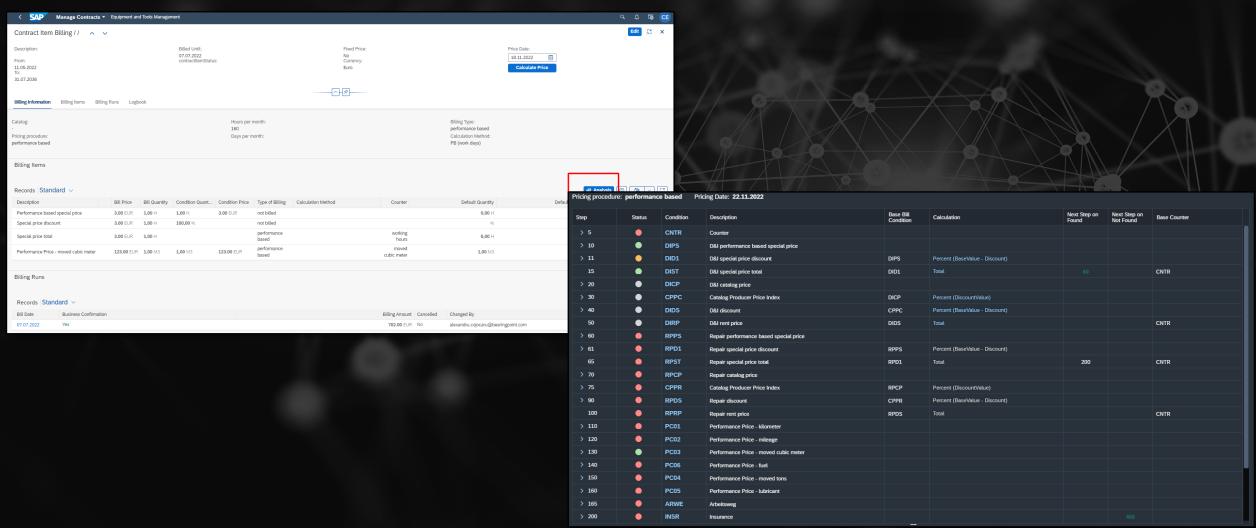
Flexible billing solution for the preparation of SAP SD as an "invoicing engine"





Deep dive flexible surcharges and discounts in combination with performance-based options





Utilizing the workforce to gain Insights, enabling Swarm Intelligence

Unlock the potential of distributed information at your Fingertip



CHALLENGE

- Gathering data is difficult, especially when unstructured
- Forms usually lack intelligent prefill and automation
- External employees don't have access to company systems
- Flexible solutions lack seamless integration with your IT enterprise applications

OURSOLUTION

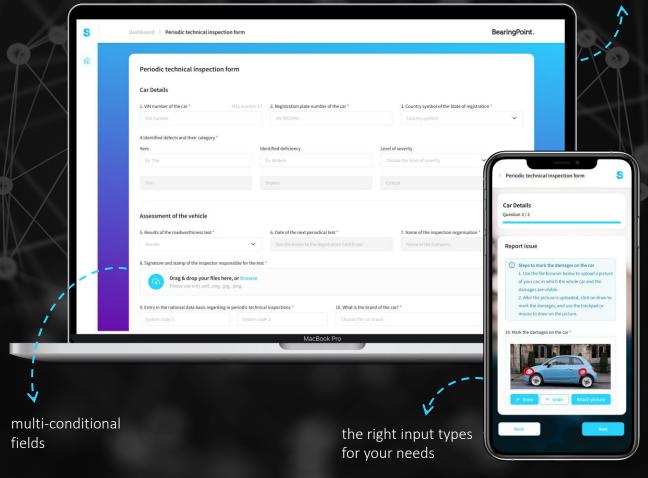
- intelligent and fully customizable forms
- templates with **automations** built on your business needs
- communicating to your Microsoft, SAP, Salesforce and IFS systems

YOUR BENEFITS

- ✓ Collect relevant data, scheduled or ad-hoc
- ✓ Reduce time using intelligent automations
- ✓ Combine IoT and human entered data for best insights
- ✓ Improve data quality by smart validations
- ✓ High data accuracy with advanced components



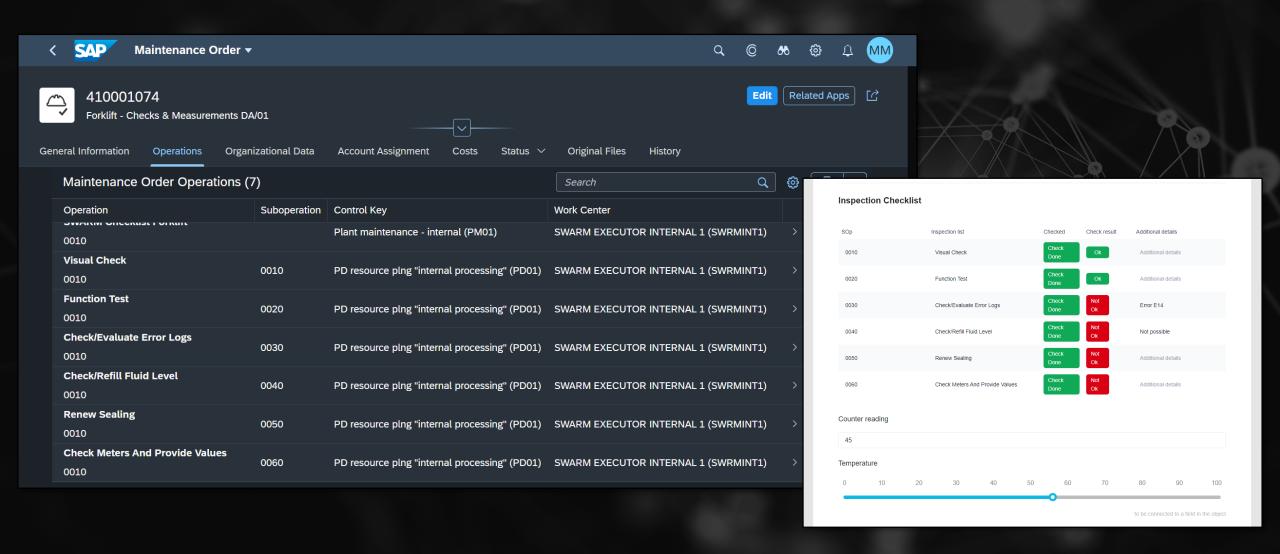
custom and **smart** validations





Utilizing the workforce to gain insights and mobilize

Unlock the potential of distributed information with tailored input types



2

Digit.

Perform equipment centric activities fast and easy with Swarm





The current location, date and time are filled automatically for confirming physical presence near the equipment. Basic information about the equipment are already provided.



QR codes on machinery open ad-hoc inspection forms that are **prefilled with equipment information.** The code can be placed anywhere inside or outside the equipment for better use.

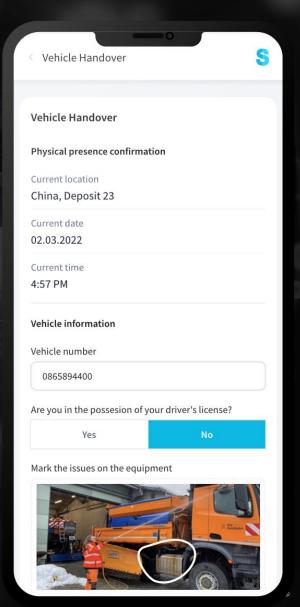
After Submit, the data is **pushed** to core systems to be evaluated and acted upon.











The selection of the appropriate technology depends heavily on the strategic choice and the underlying business models.

Selected technologies in service and their impact on revenue, efficiency and backend IT.

Revenue-driven



Additive Manufacturing



Digital Twin

Efficiency-driven



Robotic Process Automation (RPA)



Augmented & Virtual Reality

Core Backend



Harmonization &



Standardization



Micro Service Architecture

Cloud and micro services

Business capabilities close to the user or machine, which require innovation

Enterprise core

Harmonized processes and strong process governance

Standardized processes to benefit from ongoing innovation

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Virtual Reality als Beschleuniger für die Prozesstransformation

Aufzeichnung und Präsentation:



Bestand optimieren mit künstlicher Intelligenz

Aufzeichnung und Präsentation:



Digitale Instandhaltung – neue Potenziale verwirklichen

Aufzeichnung und Präsentation:



Moderne Instandhaltung mit Fokus auf die Auftragsabwicklung via SAP FIORI Apps

Aufzeichnung und Präsentation:



BearingPoint_®

We transform businesses



DIGITALISIERUNG BearingPoint

Wirtschafts Woche

BEST OF CONSULTING -2016-

PROJECT EXCELLENCE MARKETING UND VERTRIEB -1.PLATZ-

BearingPoint Wirtschafts

Woche

BEST OF CONSULTING -2017-

SONDERPREIS DIGITALISIERUNG - EXZELLENT-

Wirtschafts **■** Woche

CONSULTING -2018-

BEST OF

OPERATIONAL EXCELLENCE - EXZELLENT -BearingPoint

■Wirtschafts Woche

BEST OF CONSULTING

-2018-

SONDERPREIS PRO BONO - PRÄMIERT-BearingPoint

Wirtschafts Woche

BEST OF CONSULTING

2019

MARKETING & ORGANISATION Change Management **EXZELLENT** BearingPoint

■ Wirtschafts Woche

BEST OF CONSULTING

2020

OPERATIONS Digitalisierung 1. PLATZ BearingPoint

Wirtschafts Woche

BEST OF CONSULTING

2020

TECHNOLOGY **PRÄMIERT** BearingPoint

Wirtschafts Woche

BEST OF CONSULTING

2020

STRATEGY Supply-Chain-Management QUALIFIZIERT BearingPoint

Wirtschafts Woche

BEST OF CONSULTING

2021

SONDERPREIS DIGITALISIERUNG 2. PLATZ BearingPoint

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MARKETING QUALIFIZIERT BearingPoint

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