

A Manufacturer's SAP Innovation Journey

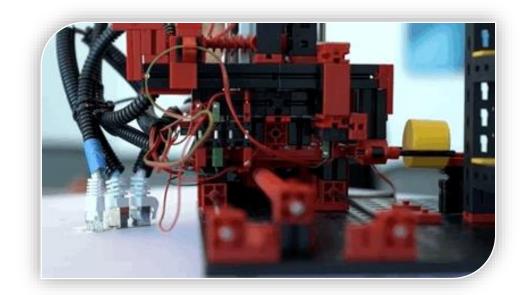
ASUG Georgia | March 30, 2023

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SAP Project Manager & Managing Director
CNT Management Consulting Inc



Session Highlights

- An SAP Story about a fictitious Manufacturing Company running completely on SAP Solutions
- Show an end-to-end business process across multiple SAP Solutions, including:
 - 1. Quote-2-Plan (SAP CX/ Sales Cloud, CPQ, ...)
 - 2. **Source-2-Order** (SAP MM, Ariba, ..)
 - 3. Plan-2-Manufacture (SAP PP/DS, DMC, ...)
 - 4. Incident-2-Service (SAP CX/ Service Cloud, FSM, ...)



The Digital Enterprise Showcase is also available as Live Demonstration



Sponsored by:







- Introduction
- The Digital Enterprise Story
 - The Sales Story from Quote to Plan
 - The Procurement Story from Source to Order
 - The Manufacturing Story from Plan to Manufacture
 - The Service Story from Incident to Service Fulfilment
- Takeaways, Q&A



CNT Management Consulting











CNT Portfolio



SAP Business Transformation

- #rise2s4 conversion package to RISE with SAP
- #run2s4 conversion package ECC to SAP S/4HANA
- SAP S/4HANA pre-studies and roadmaps
- SAP S/4HANA greenfield implementations
- SAP S/4HANA brownfield conversions

SAP Consulting

- Functional SAP consulting
- Global business processes and templates
- End-to-end SAP implementations and rollouts
- Integration management
- SAP master data and data migration
- Program-, project-, and change management

SAP Cloud Solutions

- SAP S/4HANA Cloud and RISE with SAP PCE
- SAP Ariba / Spend and SAP Business Networks
- SAP CX, CS / Customer Experience, Service Cloud
- SAP IBP/ Integrated Business Planning
- SAP SuccessFactors and Concur.
- SAP DMC/ Digital Manufacturing Cloud
- SAP BTP/ Business Technology Platform

SAP Industry Best Practices

- Industry-specific end-to-end processes
- Plug-in solutions for industrial manufacturing
- Industries: Manufacturing, Industrial Manufacturing, Regulated Industries, and various others

CNT is an SAP implementation firm covering the complete SAP spectrum



SAP Competences



SAP S/4HANA and RISE with SAP – The Digital Enterprise Core

Greenfield Implementation, Brownfield Transformations, Pre-Studies, #run2S4 and #rise2S4 Conversion Package

SAP Ariba

Simplified, web-based procurement, Digital Supplier Network

SAP Analytics/ BI

Business Intelligence, Planning, Predictive Analytics

SAP PP, QM, DMC

Digital Manufacturing Cloud

SAP IBP and SCM

Integrated Business Processes, Digital Supply Chain, APO

SAP EAM/ IAM

Enterprise Asset and Intelligent Asset Management

SAP MM

Material Management **Intra-Company Logistics**

SAP EWM/ SRM/ WM

Extended Warehouse Management, WM and Stock Room Management

SAP PP/ PS/ ETO

Engineer to Order, **Production Planning Project Systems**

SAP OTC, FI-SD

Order to Cash, Finance and Sales Integration

SAP CX/ CRM

SAP Sales- and Service Cloud, SAP CPQ

SAP HCM/SF

SuccessFactors, Human Capital Management, Concur

SAP FI / CO

Finance and Controlling

Business Process Consulting

Template Creations, SAP Business Technology Platform, GRC, Release Management, Development, etc.

CNT Awards and Recognitions by SAP





Winner of the 2021 SAP Partner Pinnacle Award*



Quality Award 2022 Rapid Time to Value [Rosenbauer]



Quality Award 2022 Rapid Time to Value [UBM]



Quality Award 2022 Business Transformation [Pfeiffer]



Quality Award 2021 Time to Value [Bachem]



Quality Award 2021 Business Transformation [Pfeiffer]



Quality Award 2021 S/4HANA Transformation [Boehringer Ingelheim]



Quality Award 2019 Cloud Transformation [Porr Group]



Quality Award 2019 Fast Delivery [Porsche]



Quality Award 2018 Fast Delivery [TANN Group]



Quality Award 2018 S/4HANA Innovation [Listroj]



Quality Award 2018
Business Transformation
[Hoerbiger]



SAP Partner of the Year 2020 SAP LoB Cloud



SAP Partner of the Year 2019 SAP Quality



SAP Partner of the Year 2019 SAP S/4HANA Move



SAP Gold Partner

CNT is regularly recognized by SAP with Quality Awards





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Model Company "CNT Industries"



Model Company: CNT Industries



- Manufacturer of solutions for intra-company logistics
- Portfolio includes warehouse robots and storage bays
- Driven by fully digitalized integrated processes

Runs completely on SAP



Model Customer: Local Brewery



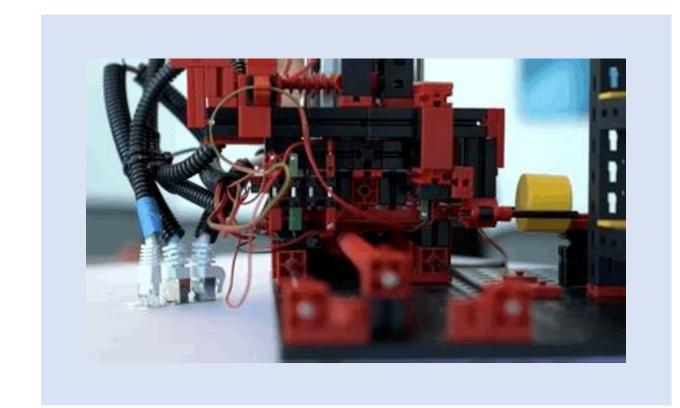
- Startup beer brewery and client of CNT Industries
- Uses new brewing techniques to improve quality
- Requires products agitated/ moved during fermentation

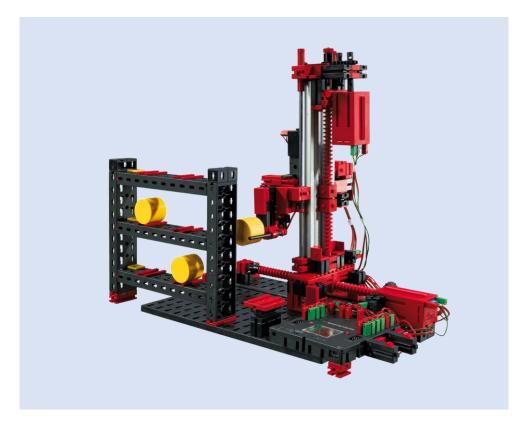
Seeks new warehouse robots to move products continuously and extend high-bay storage



"CNT Industries" - Warehouse Robot Solution





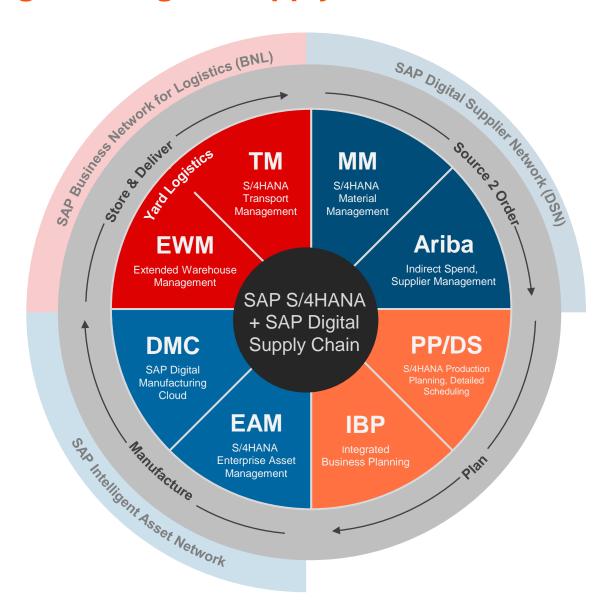


CNT's Robot Showcase is based on the Fischertechnik Industrial Simulation Series connected to SAP via an Arduino Controller



Integrated Digital Supply Chain with and around SAP S/4HANA





With the Digital Supply Chain, SAP integrates multiple solutions, including S/4HANA, Ariba, DMC, IBP, EWM, and the three business networks DSN, IAN, and BNL.

With the Digital Enterprise, CNT expanded the Digital Supply Chain to add more SAP components and add Quote-2-Plan for Sales, and Incident-2-Service for Services.



Covered Processes with "CNT Industries"









Process	Business Function	SAP Solutions
Quote-2-Plan	Sales	SAP CX/ Sales Cloud, SAP CPQ, SAP S/4HANA SD
Source-2-Order	Procurememt	SAP S/4HANA MM, SAP Ariba, SAP Fieldglass
Plan-2-Manufacture	Production	SAP S/4HANA PP, PP/DS, SAP DMC, QM
Manufacture-2-Distribute	Logistics	SAP EWM, SAP TM, SAP Yard Logistics
Incident-2-Service	Services	SAP CX/ Service Cloud, SAP EAM, SAP FSM
Plan-2-Report	Business Intelligence	SAP S/4HANA, SAP Analytics Cloud, SAP IBP
Recruit-2-Retire	Human Resources	SAP S/4HANA, SAP HXM, SuccessFactors, Concur
Record-2-Report	Finance	SAP S/4HANA Finance, Central Finance, etc.

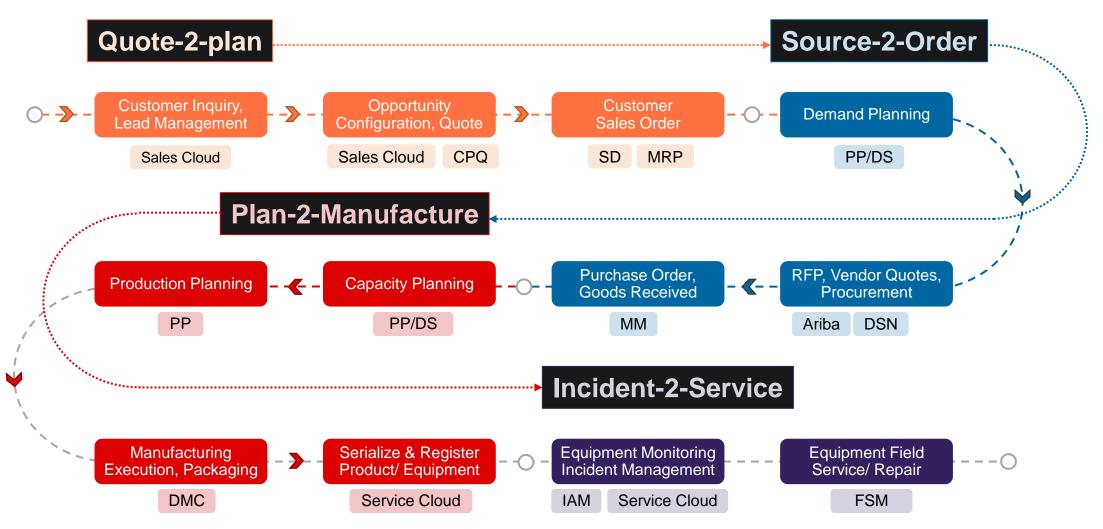
= Covered with CNT Industries





The Digital Enterprise Processes







End-To-End Process Perspective Benefits



E2E Business Processes Perspective

Set of processes allowing companies to look at the value chain from beginning to end. The E2E process covers various functional and integrated areas.

Benefits

- **Prioritize Business Values** Starting with a big picture allows focusing on the processes with the most value for the organization.
- Eliminate Functional Siloes Create a shared purpose to work and facilitate collaboration to enable smoother operation.
- **Big Picture Perspective** Holistic approach allows understanding of how changes to one function can influence the other.
- **Transparency and Outside Perspective** Enables stakeholders to think about the business from a customer perspective
- **Clear KPIs for the ERP implementation** Functional discussions are a breeze with the E2E process in mind.



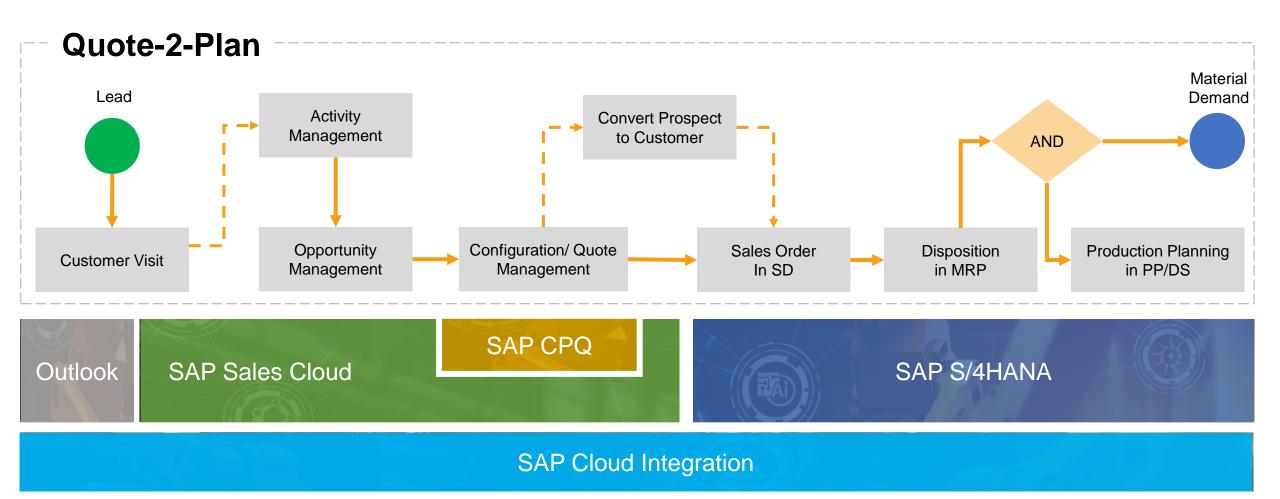


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The Sales Story – Workflow







The Sales Story – Components



SAP CX - SAP Sales Cloud

- Cloud-based CRM Solution
- End-to-End Customer Experience solution
- Integrated with SAP Service Cloud
- Integrated into SAP S/4HANA

S/4HANA SD – Sales Distribution

- Core functional module in S/4HANA
- Covers all selling, shipping, and billing

S/HANA PP/DS – Planning/Detailed Scheduling

- Core functional module in S/4HANA
- Functionality previously in APO
- Covers finite production planning

SAP CPQ – Configure Price Quote

- Cloud-based SAP Configuration Solution
- Formerly Callidus Software
- Falls between Sales and Sales Order
- Integrated into SAP Sales Cloud and S/4HANA

S/4HANA MRP – Material Requirement Planning

- Core functional module in S/4HANA
- Plan material supply based on requirements

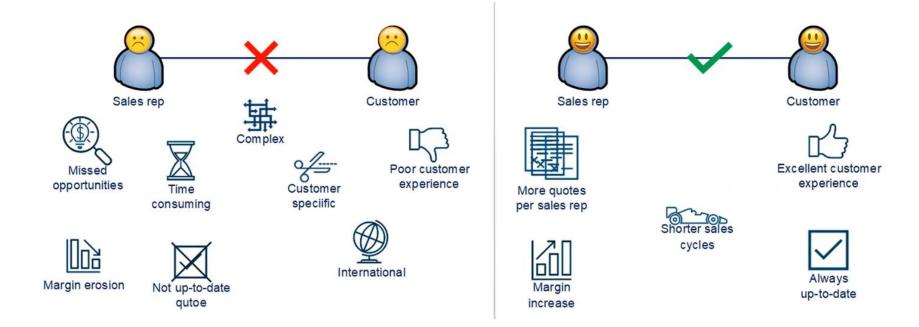
SAP Cloud Integration

 Connect cloud and on-premise applications with other SAP and non-SAP cloud and on-premise applications



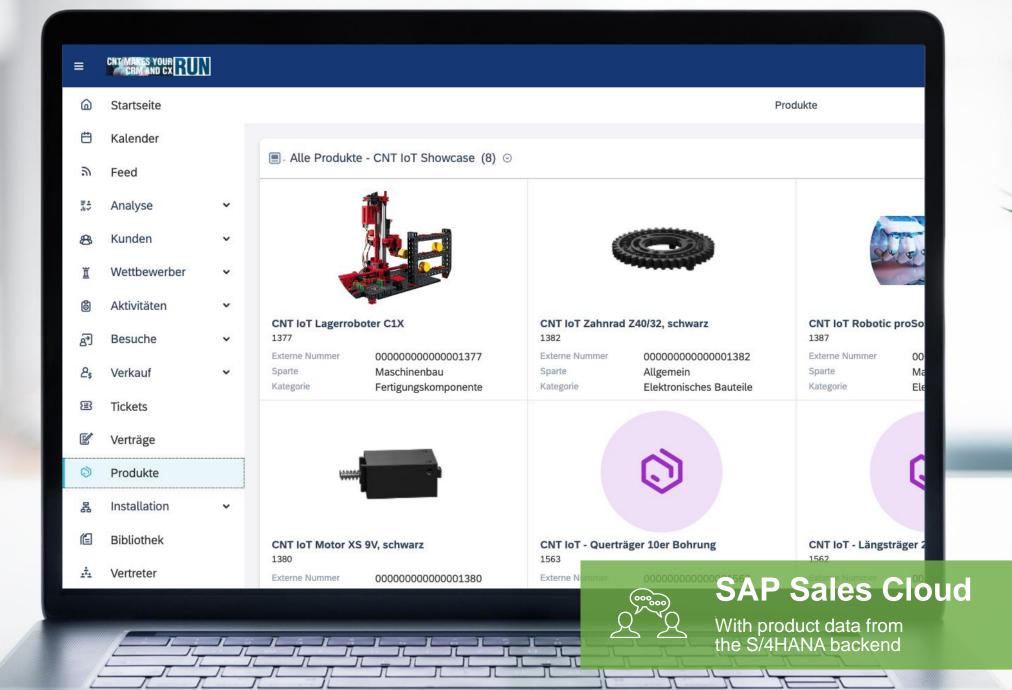
SAP CPQ – Key Functions

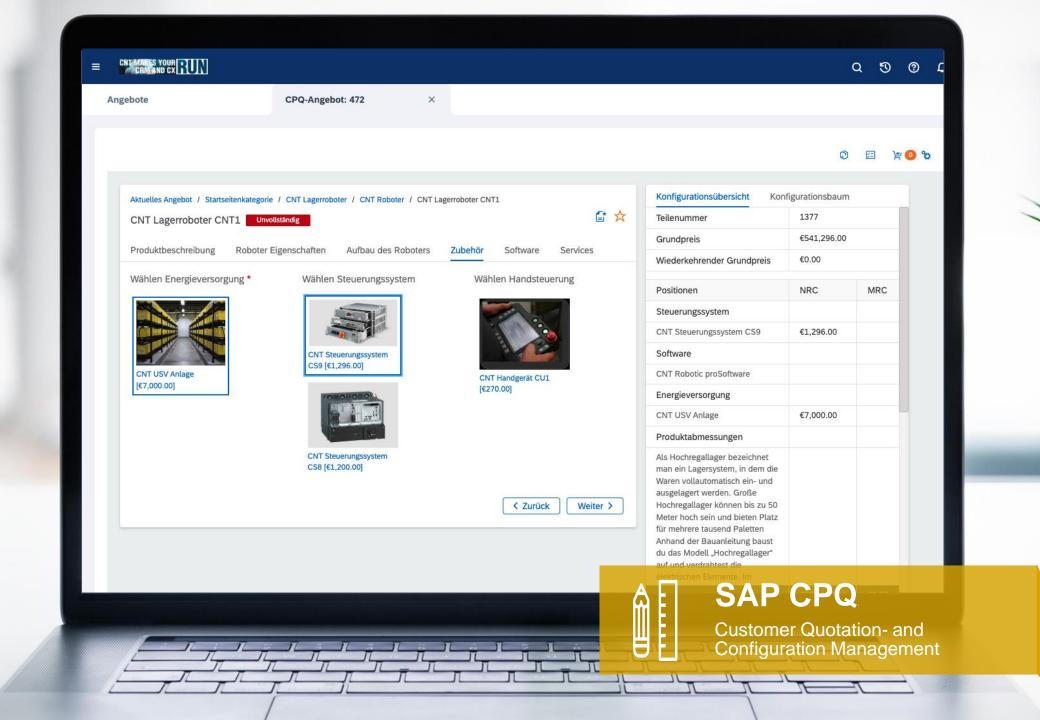


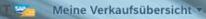


- Configure and create complex customer quotes
- **Guided Selling**
- **Margin Protection**
- Integrated with SAP CX and SAP S/4HANA









IoT-Showcase v

Gefiltert nach (2): Anzeigewährung, Auftraggeber



Gesperrte Gutschriftsanforderungen

Sortiert nach: Zuletzt geändert/Angelegt am

Gutschriftsan-Gesamtstatus Nettowert forderung

Keine Daten

Kundenkontakte (abgekündigt)

Sortiert nach: Klassifikation/Kunde

Ansprechpart-Klassifikation Kunde

Keine Daten

Kundenretouren

Sortiert nach: Zuletzt geändert/Angelegt am

Aktive Retouren

Keine Daten

4 N

V

Kun

Nach

Netto

Offene Verkaufsangebote

Sortiert nach: Zuletzt geändert/Angelegt am

Gültig bis Angebot Nettowert 385.967 20000001 vor 8 Monaten EUR 120.000 vor 10 20000000 Monaten EUR

Verkaufsangebotspipeline

Abgelaufen/Läuft heute ab

Offene Kundenaufträge

Sortiert nach: Zuletzt geändert/Angelegt am

731

vor 2 Wochen

Nicht relevant

Nicht relevant

0 EUR

3 von 13

790

vor 2 Wochen

offen

1.499 EUR

724

vor 3 Wochen

0 EUR

Schnellaktionen

Kundenauftrag anlegen

Verkaufsangebot anlegen

Gutschriftsanforderung anlegen



S/4HANA SD

Client Quotes and Sales Orders overview



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SAP Ariba Components



Digital Supplier Network

Ariba Buying

[Procurement and Invoicing]

Ariba Catalog

[Simplified Shopping experience]

Ariba Contracts

[Contract management]

Supplier Management

SLP

[Supplier Lifecycle Performance]

Risk

[Supplier Risk, Monitor Issues]

Ariba Sourcing

[RFI, RFP, RFQ, Auctions, etc]

Spend Analysis

[Classifications, benchmarks, ...]

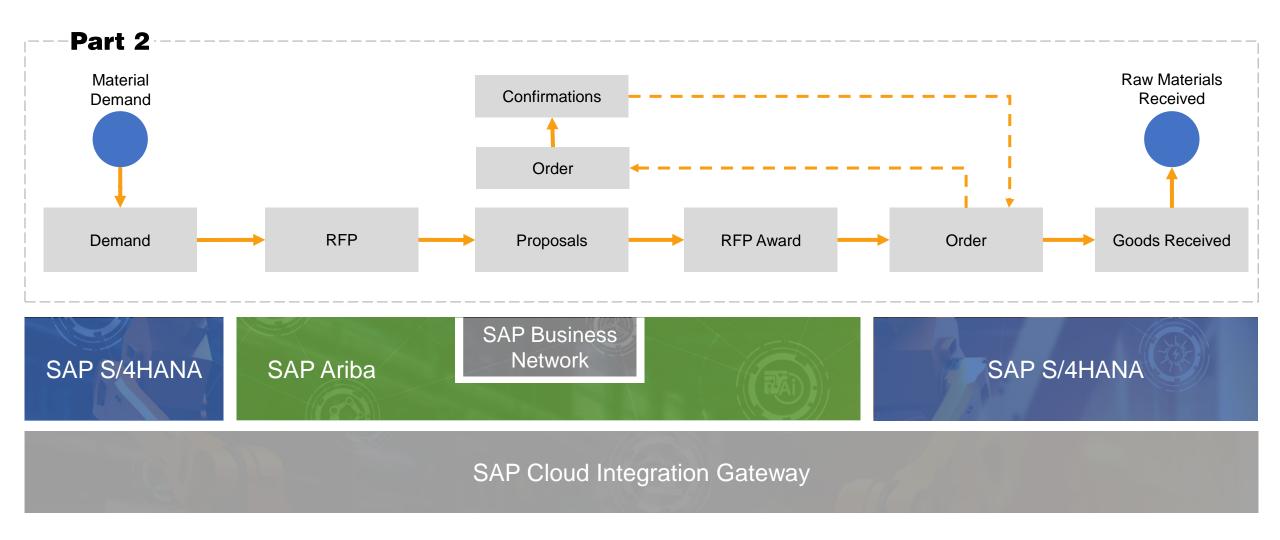
SAP ERP Integration

[CGI, SAP Cloud Connector, Commerce Automation, ...]

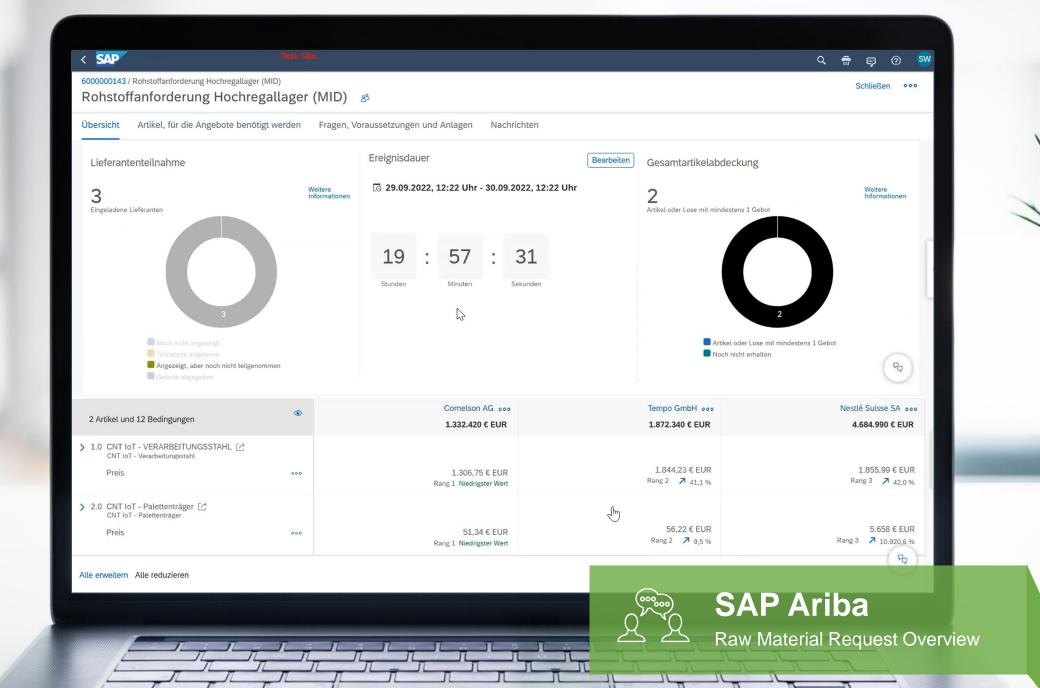


The Procurement Story – Workflow









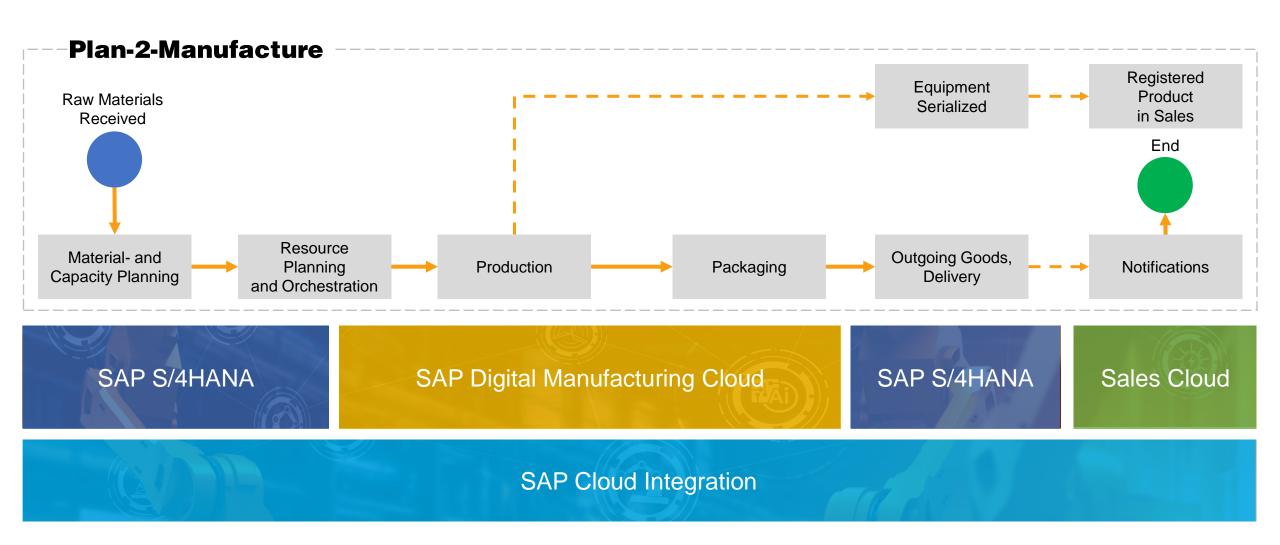


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The Manufacturing Story - Workflow







Manufacturing Story – Components



1

S/4HANA PP/DS – Planning/Detailed Scheduling

- Core functional module in S/4HANA
- Covers finite production planning
- Final production planning

2

S/4HANA PP, QM, WM/EWM, TM

 Core functional modules in S/4HANA covers Production Planning, Quality-, Warehouse- and transport management

3

SAP Cloud Integration

 Connect SAP cloud and on-premise applications with other cloud and on-premise applications 4

SAP Digital Manufacturing Cloud

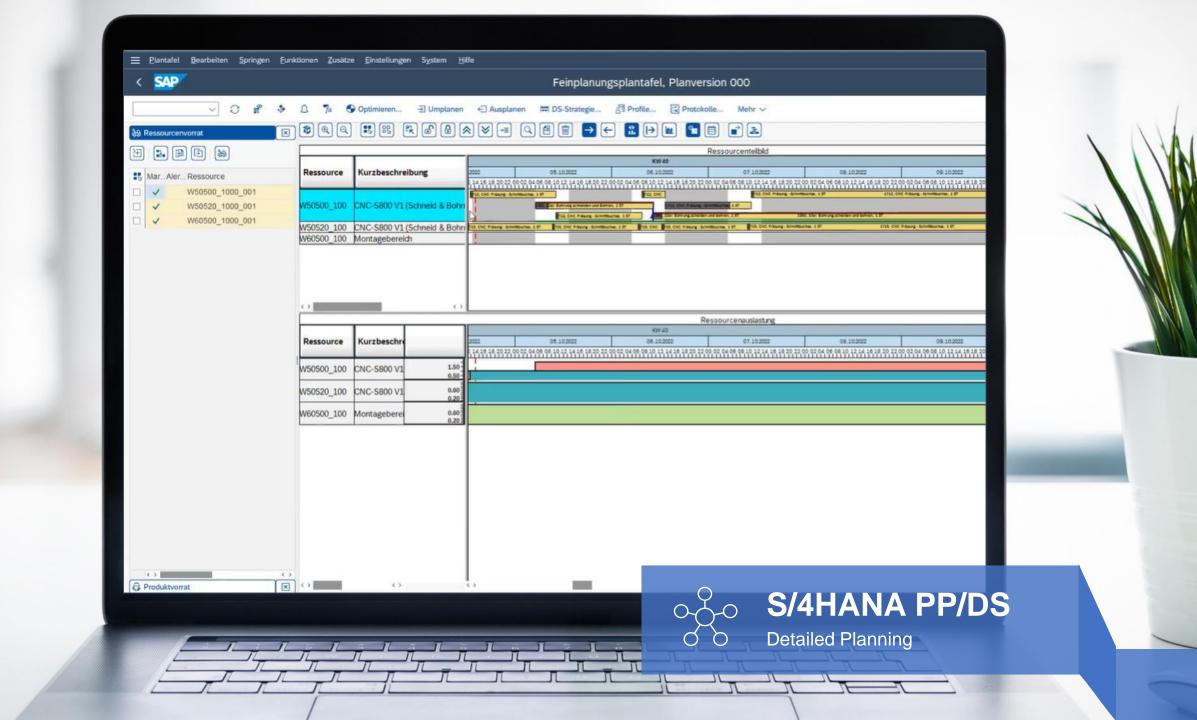
- Manufacturing Execution
 - Resource Orchestration
 - Manufacturing
 - Packaging
 - Quality Management
 - Create Serialization
- Manufacturing Insights, OEE, etc.
- Digital Manufacturing Cloud Network (DMCn)

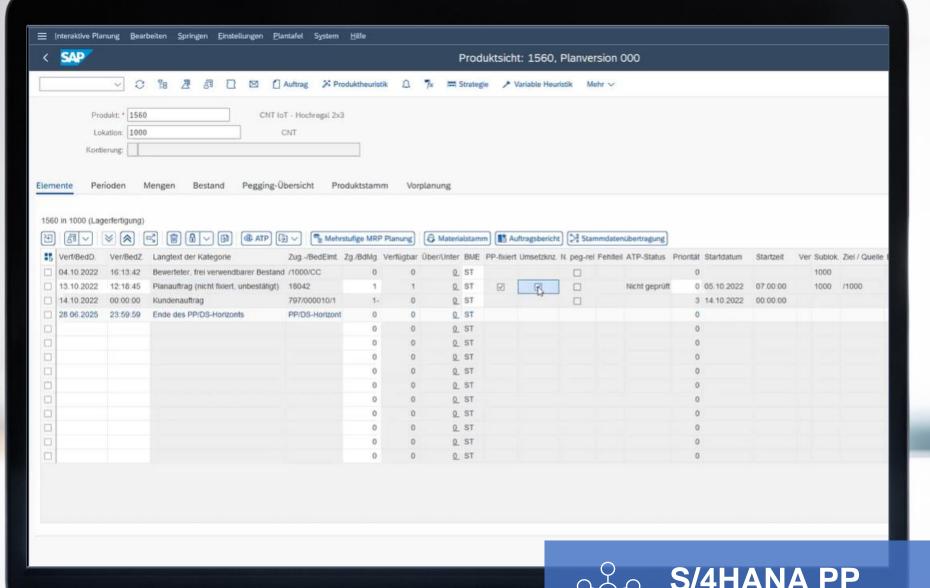
5

SAP CX - SAP Sales + Service Cloud

- Register serialized product
- Connect with SAP Service Cloud
- Integrated into SAP S/4HANA



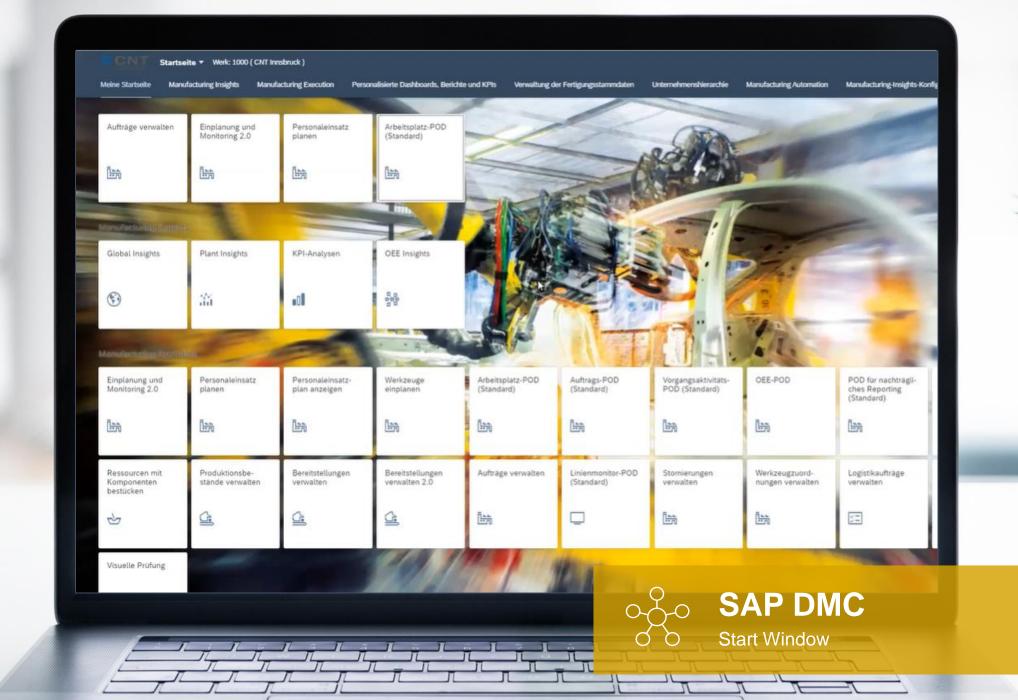


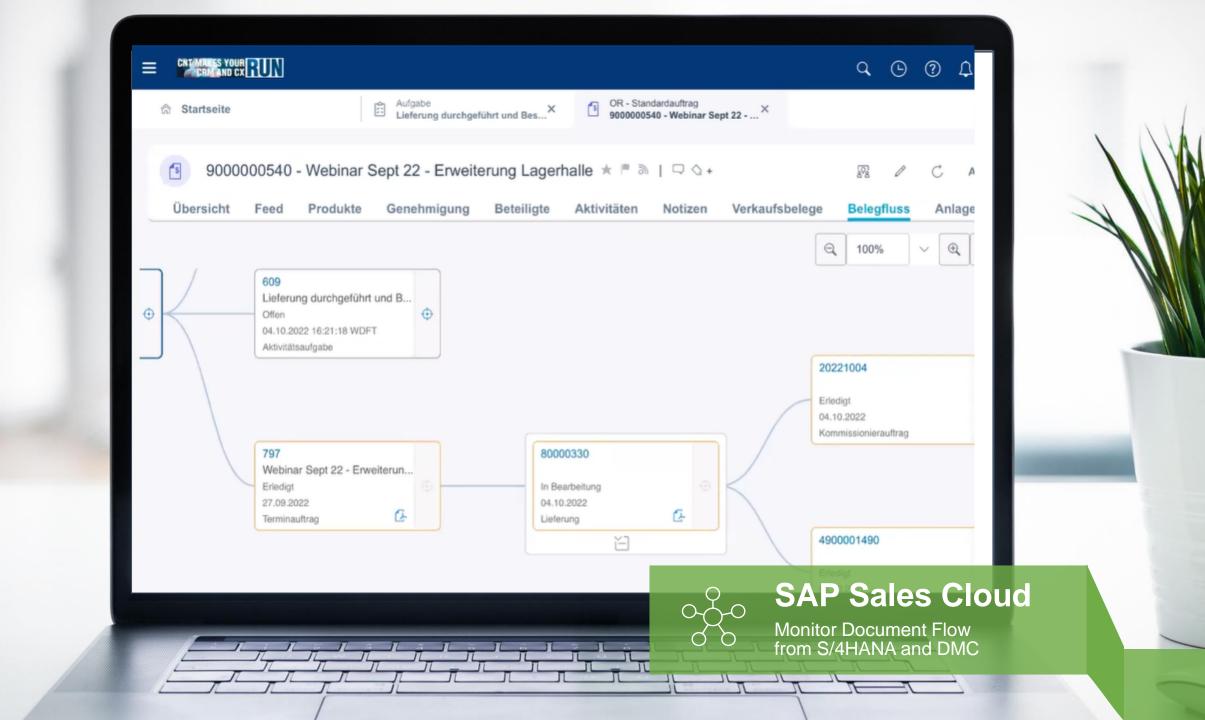




S/4HANA PP

Production Planning to DMC





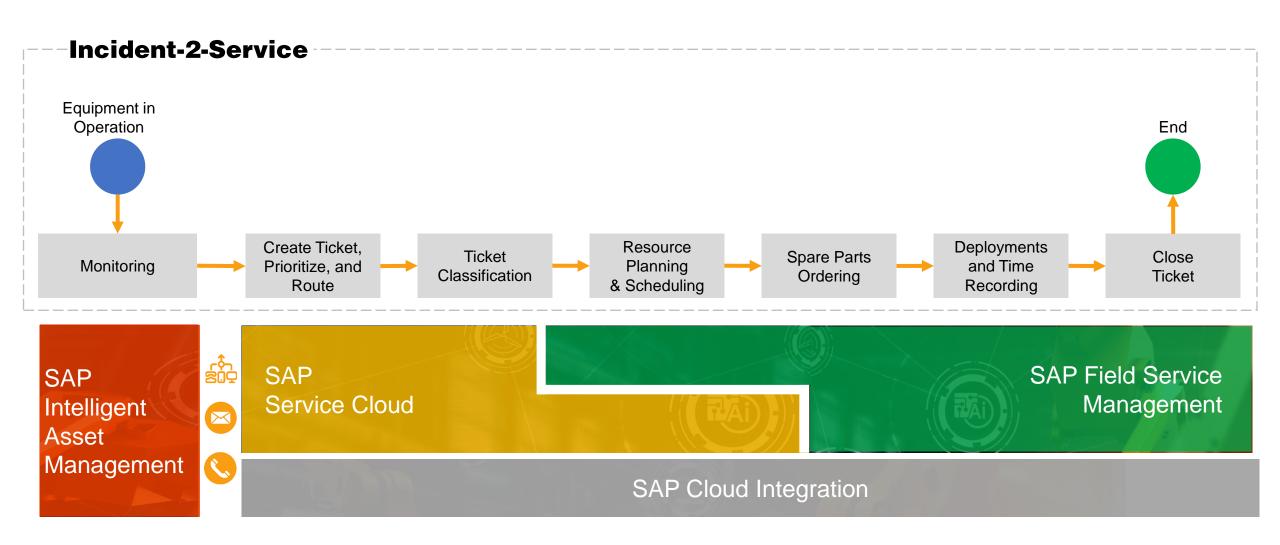


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The Service Story - Workflow







Service Story – Components



1

SAP Intelligent Asset Management

- Suite of Cloud Solutions for Asset Management
- SAP PM is a subset of EAM

2

SAP Service Cloud

- Cloud-based service solution
- Part of SAP CX portfolio
- Deliver personalized customer service
- Increase service efficiency

3

SAP Field Service Management

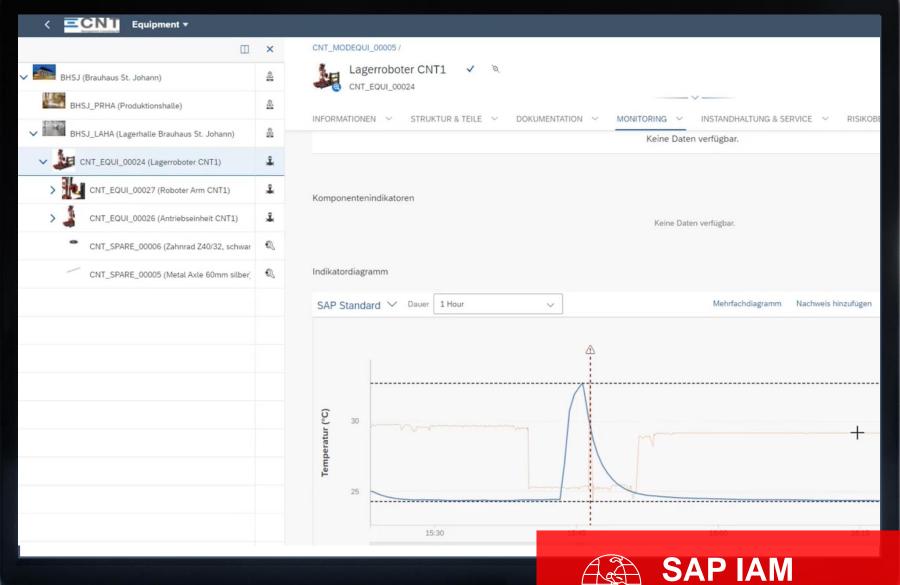
 Cloud-based solution for professional deployment of technicians, vehicles, materials and tools 4

SAP Cloud Integration

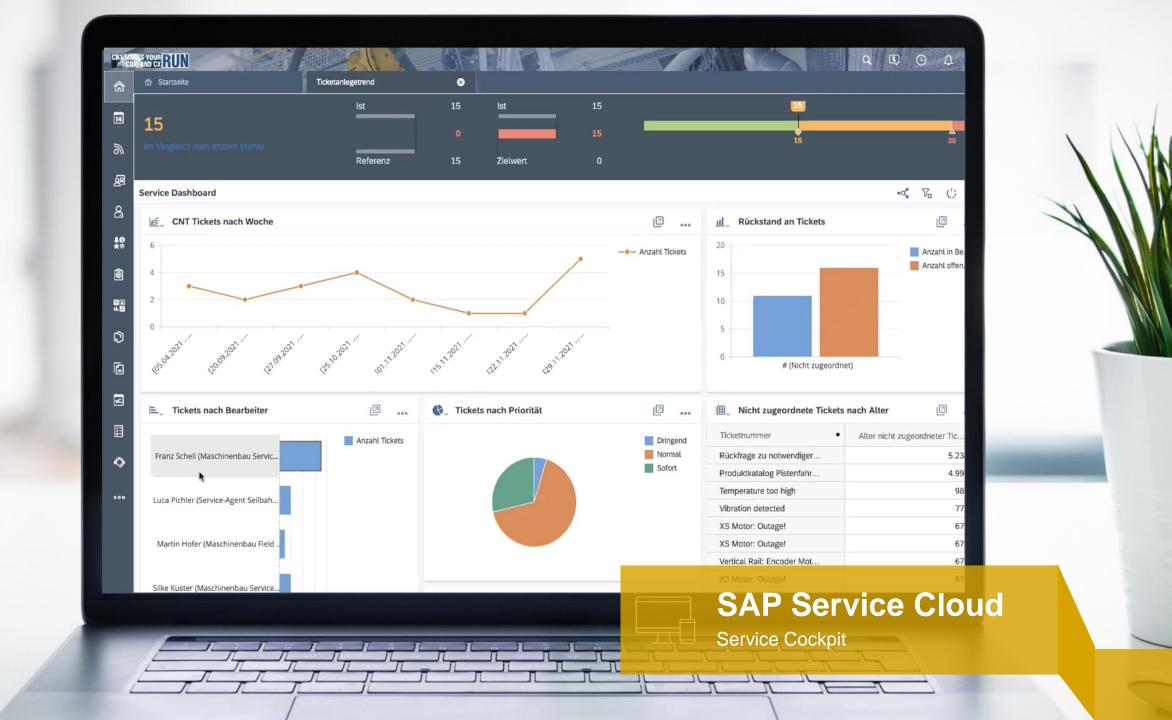
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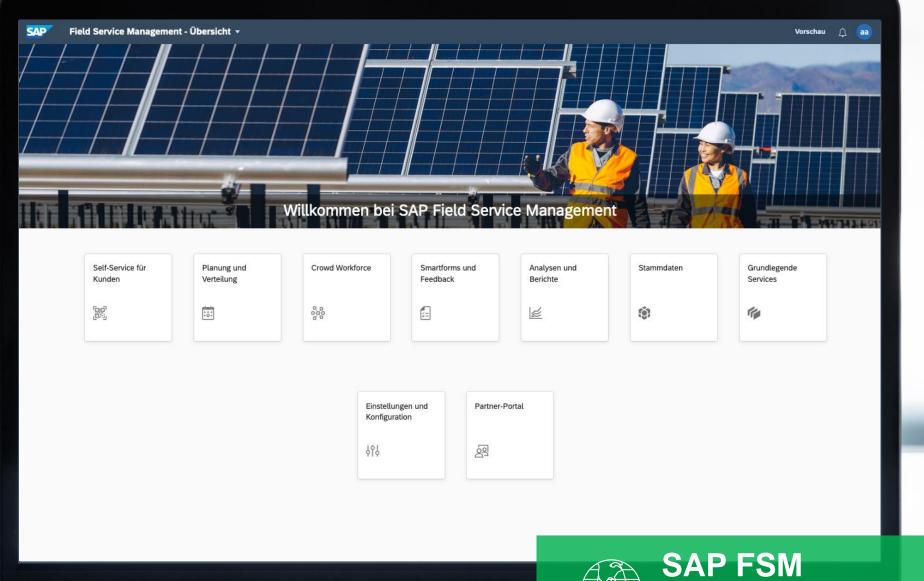
















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Takeaways



- **Completeness** SAP systematically expanded to the most complete ever ERP portfolio through improvements and new developments (S/4HANA, SAP CX, EWM, IBP, DMC, etc.) or acquisitions (e.g., Ariba, CPQ, FSM).
- UX Nearly all solutions are available as modern FIORI UI.
- Cloud All new solutions are cloud-based, with all benefits of SaaS solutions. Whatever is left on-premise will slowly migrate
- End-to-end View eliminates silos and enables a value-chain perspective
- Business Value Getting passed ECC to S/4 migration allows for more exciting SAP projects.
- Choice of SI Choose an SAP system integration partner that understands the full SAP spectrum, is focused on quality and is committed to delivering.



Questions?

For questions after this session, contact us at

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The Digital Enterprise will be presented live in Summer 2023 in a webcast series.

Get on the CNT distribution list to reserve your spot!



Thank you.

