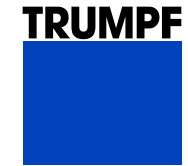


LIFECYCLE MANAGEMENT

An Application is born in LeanIX

Daniel Harprecht (TRUMPF); Jan Storz (MHP) | EA Connect Days 2019

Agenda



01

Who we are

Company Presentations

02

Introduction

TRUMPF Environment

03

How did the journey start?

TRUMPF Digital Solutions

04

How to monitor the change?

Lifecycle Management Concept

05

How does it actually work?

Concept Realization

06

What's next?

Next Steps

07

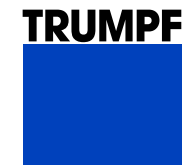
Lessons learned

Company Presentation:

TRUMPF



TRUMPF is...



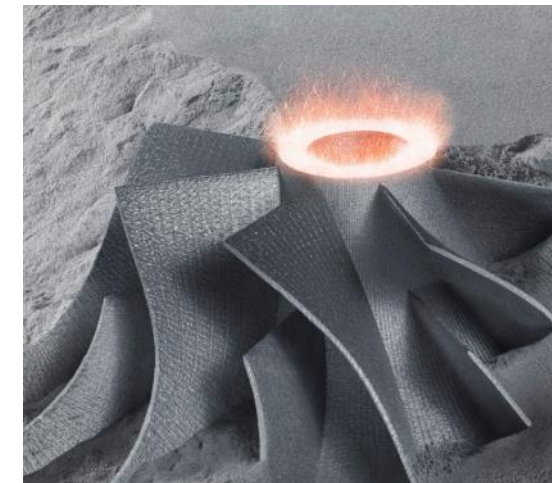
A Family-owned company since 1923



Technology leader in two business areas



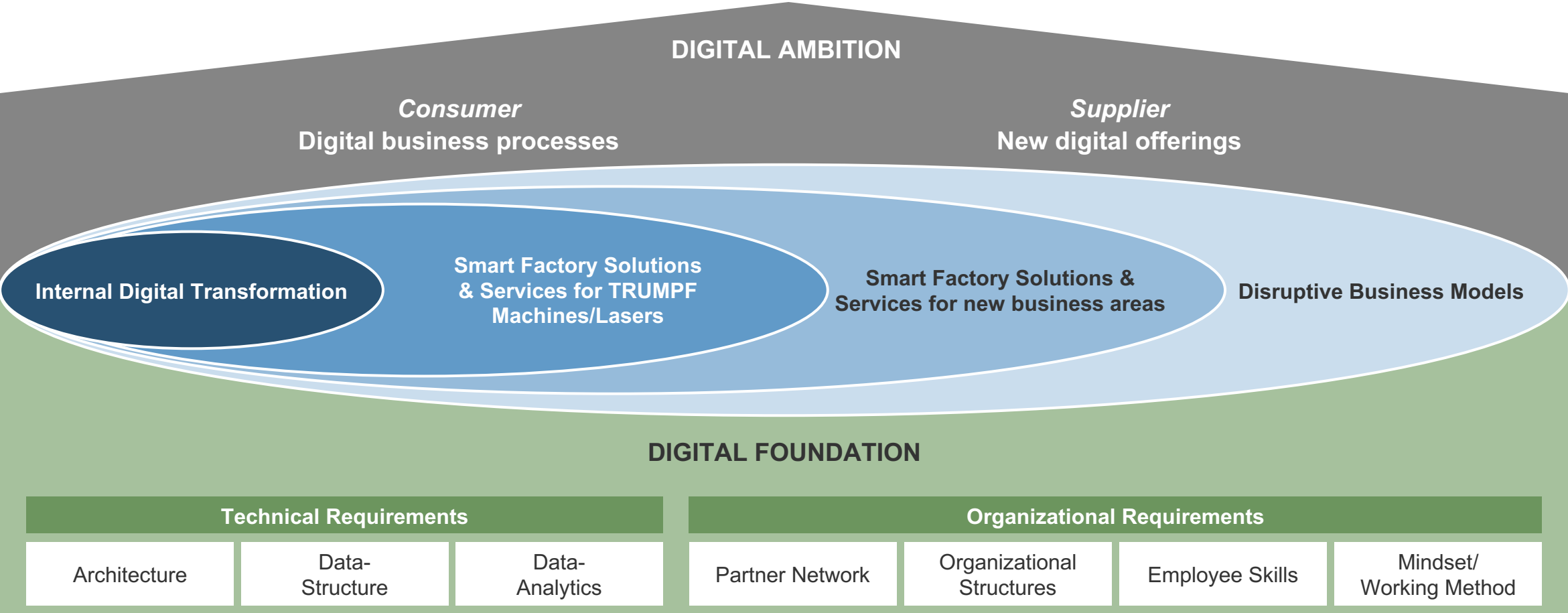
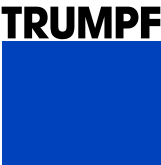
Close to our customers with 77 subsidiaries



Innovation-guaranteed – sustainable and permanent

Digital Transformation TRUMPF

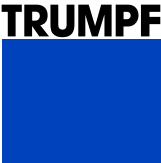
Digital Ambition as Starting Point for Digital Priorities and Requirements



Company Presentation:



MHP:
DRIVEN BY EXCELLENCE



2.500
EMPLOYEES



14
LOCATIONS
WORLDWIDE



300+
CUSTOMERS



100%
EXCELLENT
TEAM PLAYER

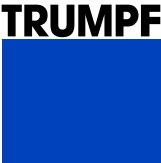


FOCUS
MOBILITY UND
MANUFACTURING

- › MANAGEMENT CONSULTING
- › IT CONSULTING
- › APPLICATION MANAGEMENT
- › BUSINESS SOLUTIONS



Why to choose MHP?
We make the difference.



EXCELLENCE IN MANAGEMENT- AND IT-CONSULTING

COMPANY PHILOSOPHY

Our **philosophy is Excellence** and the basis for our joint success is the **MHP Excellence Model - quality, professionalism, partnership and profitability.**

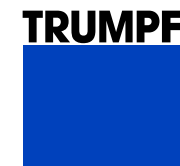
For a successful and future-oriented cooperation with you.

CONSULTANCY APPROACH

The **symbiosis of management and IT consulting**, we significantly increase the productivity of companies. We are your **process supplier.**

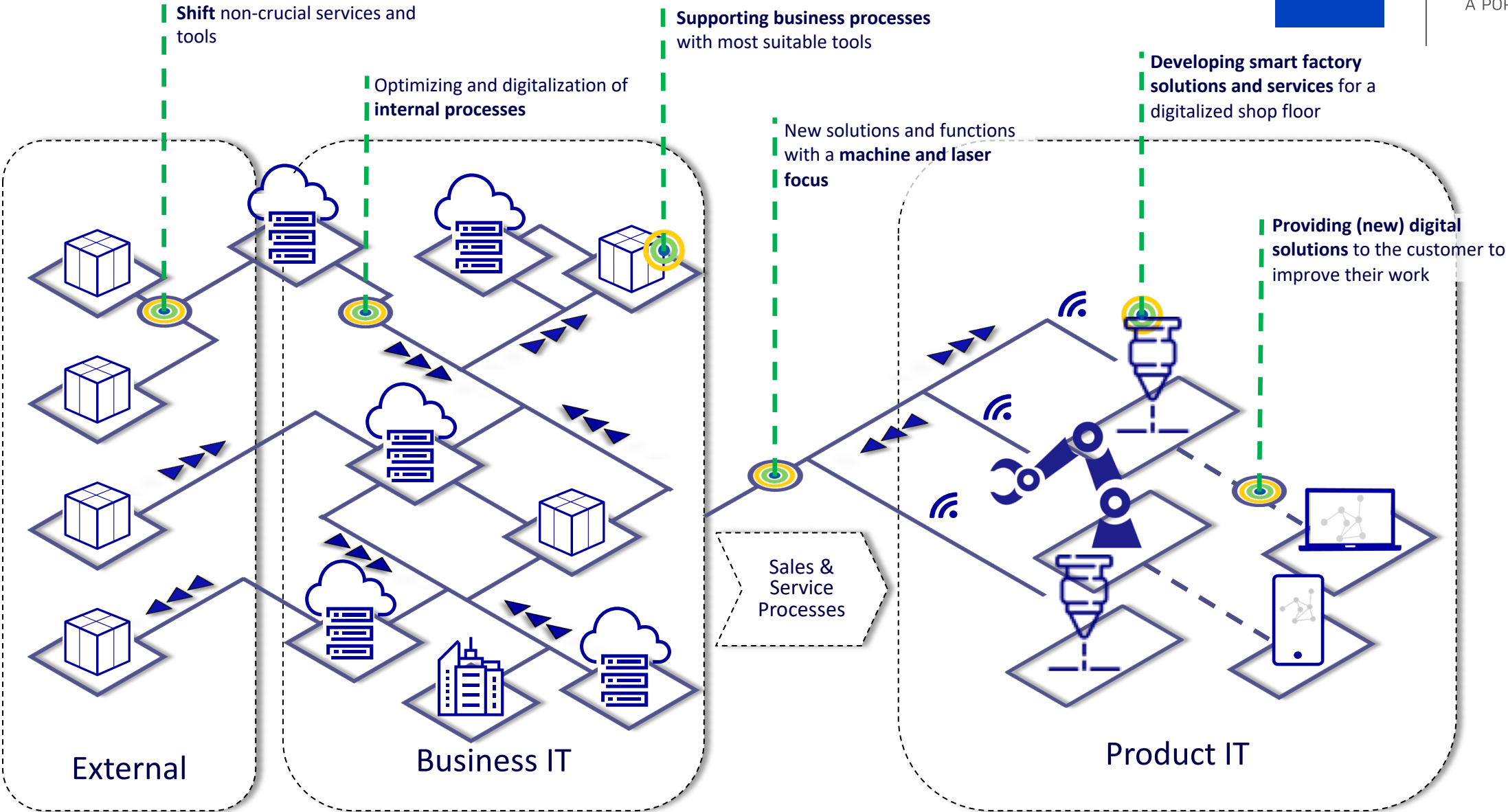
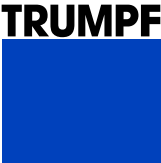
BRANCH FOCUS

We are **experts in automotive, mobility and manufacturing industries** - areas in which high process, business and technology competence is crucial. We also transfer our best-in-class know-how and strategic innovations to other industries.

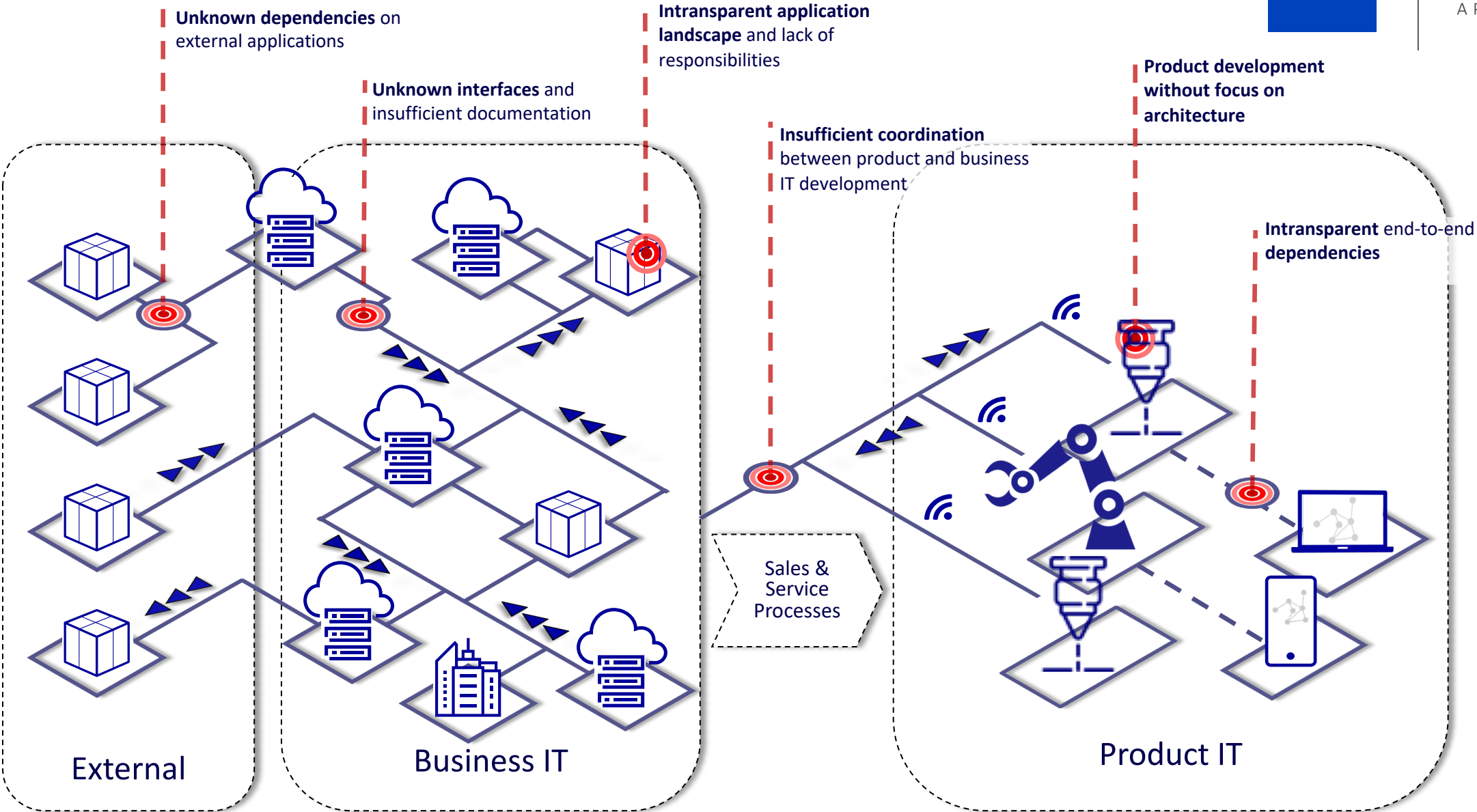
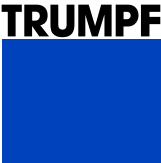


Introduction: The TRUMPF Environment

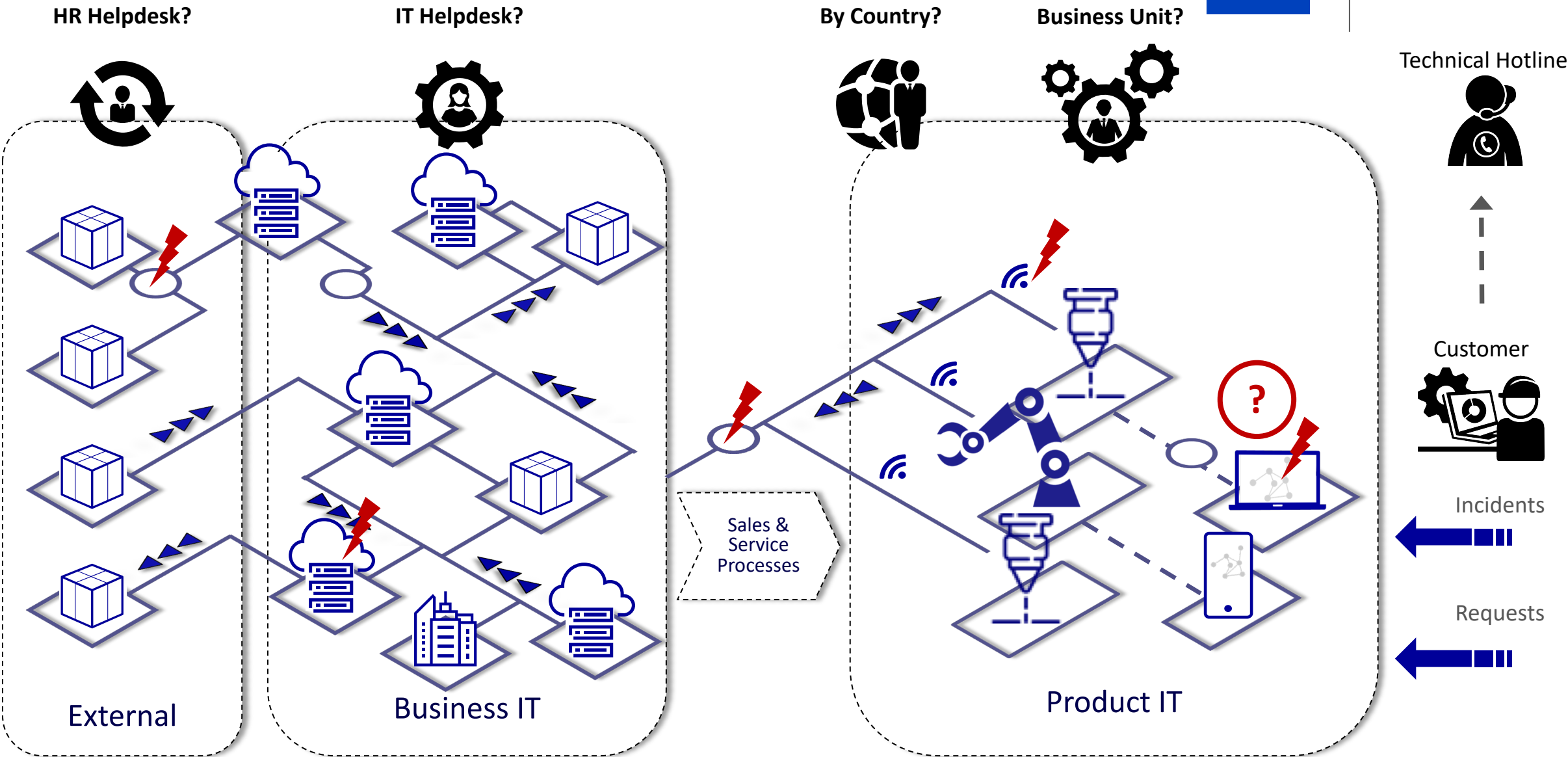
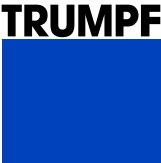
The TRUMPF environment, our according objectives of the digital ambition, ...

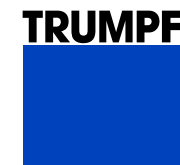


... corresponding risks & challenges



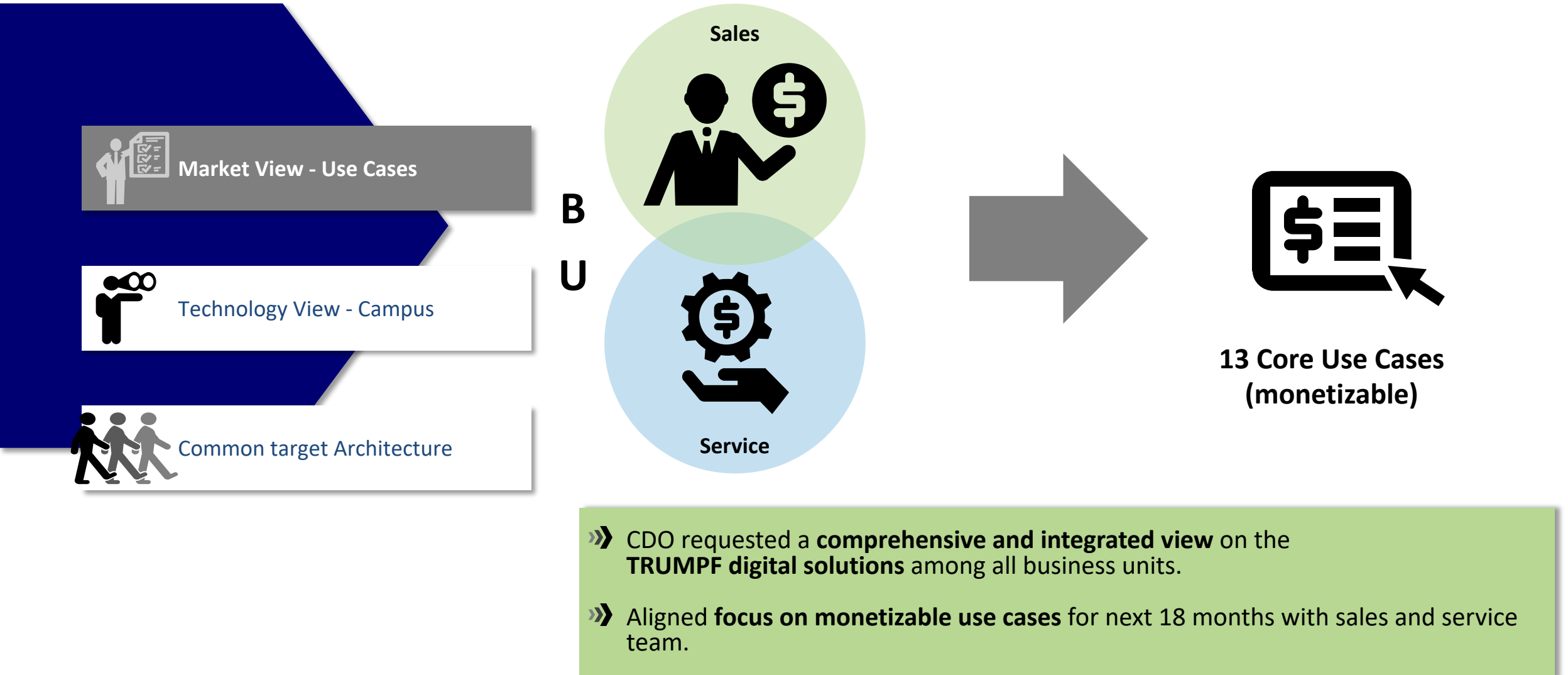
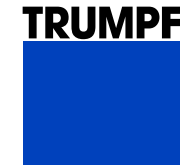
Event Management in the TRUMPF Environment



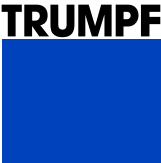


How did the journey start?

Request for a target big picture with focus on sales and service



Next to the business view the available technologies has been evaluated



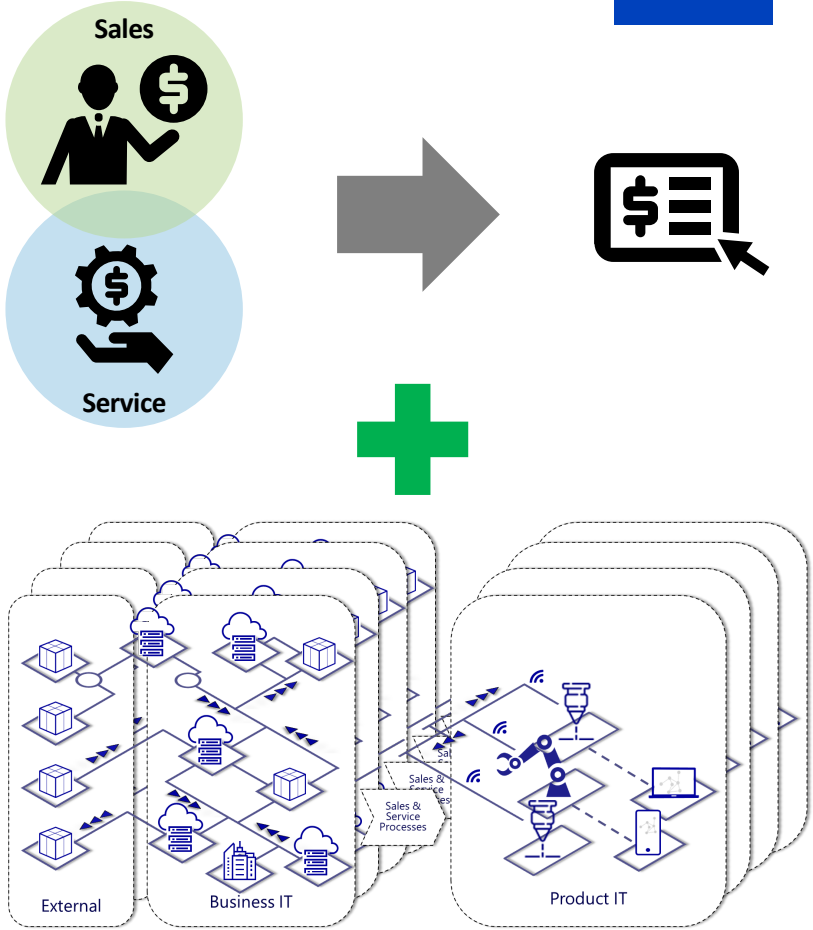
Market View - Use Cases

Technology View - Campus

Common target Architecture

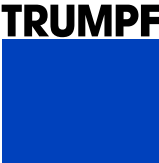
B
U

T
E
C
H



- »» Analyze which **technologies and overall architecture** optimally **support the use cases**
- »» **Defining a roadmap** with an indication how to implement the use cases.

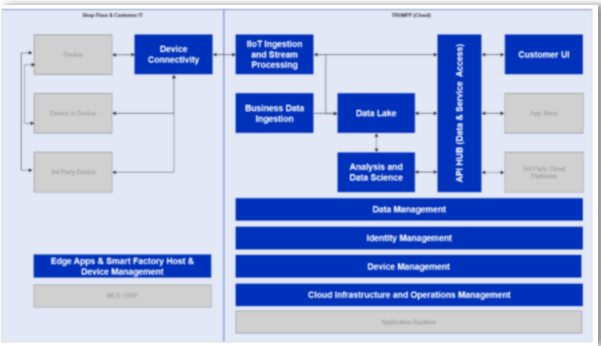
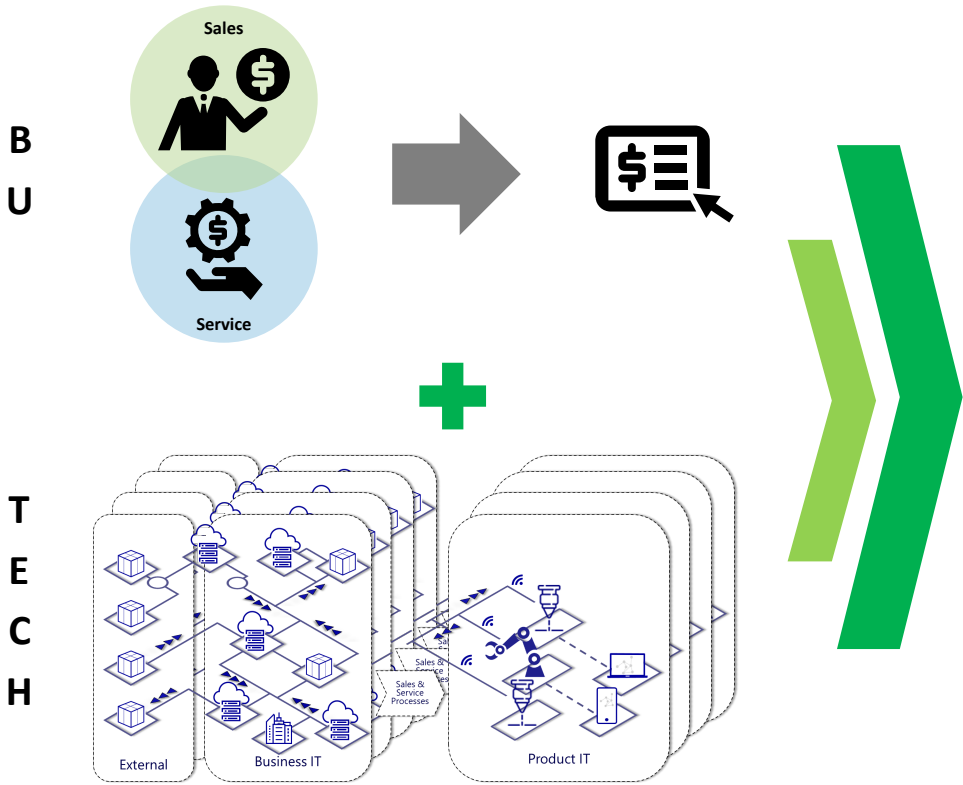
The experts and business areas in on standards and a target architecture



Market View - Use Cases

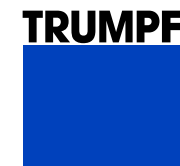
Technology View - Campus

Common target Architecture



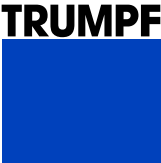
One common target architecture

- » Relevant **technologies** have been **identified and agreed** for the target architecture.
- » **Timeline for the technologies** have been **estimated** and dependencies between Building blocks were defined.



How do we manage the change?

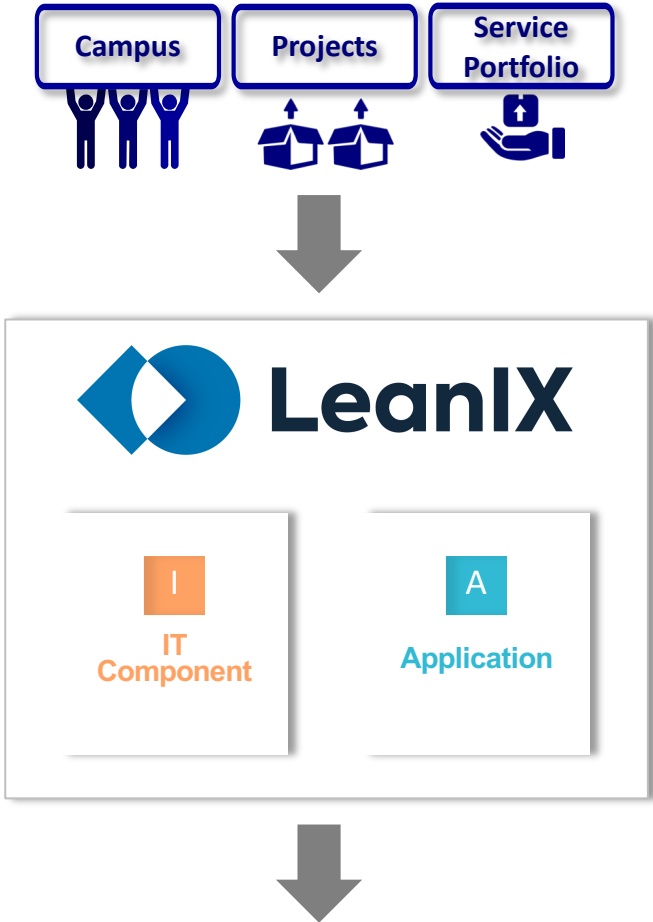
LeanIX as Single Source of Truth and solution for target achievement



Repository as Source of Truth

Service Tool for Events

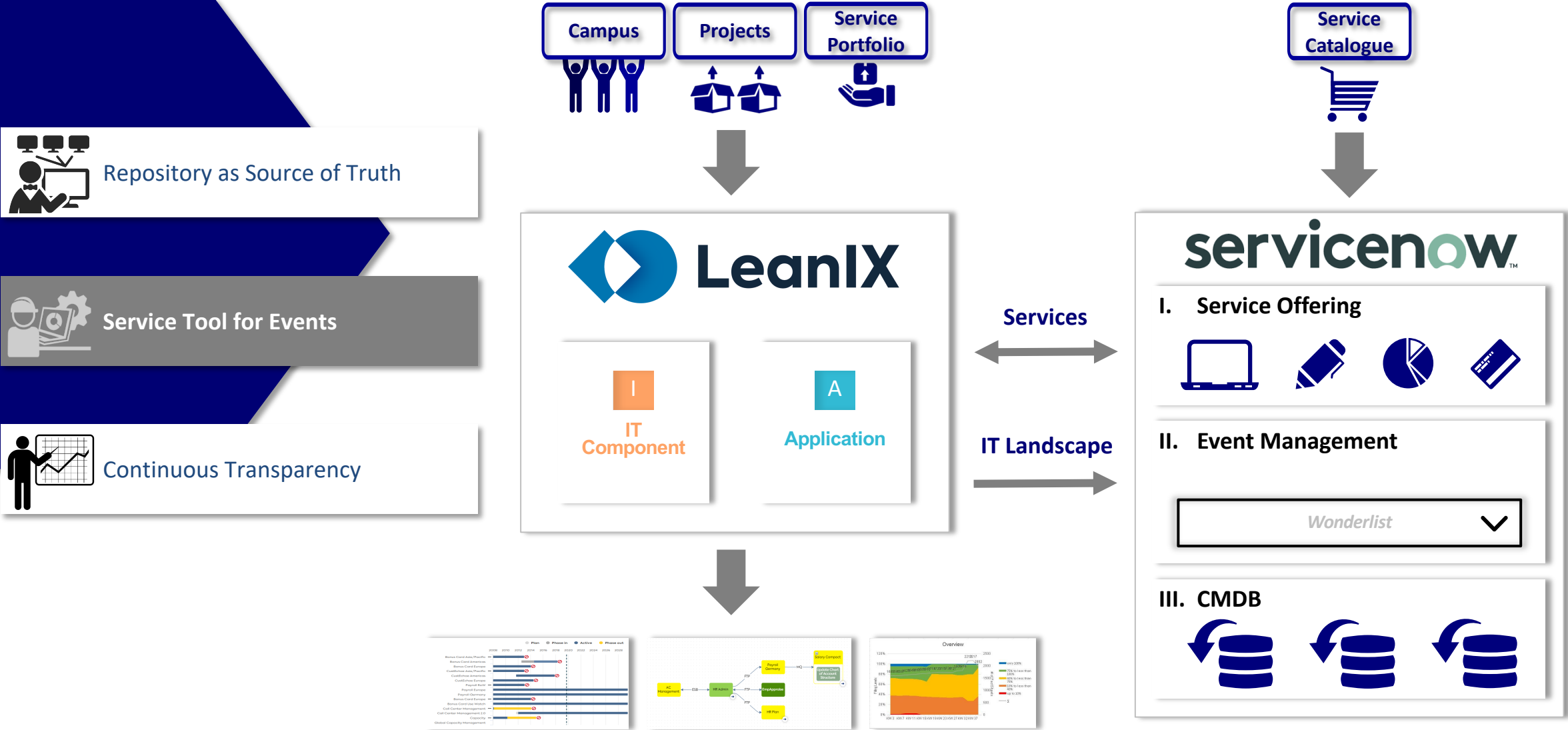
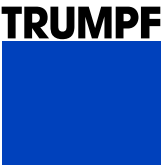
Continuous Transparency



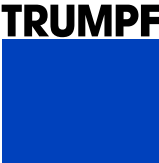
- New Applications are **first documented** (“born”) in LeanIX
- Single Source of Truth** for software solutions and services
- ABB, service thinking** and clustering established
- Lifecycle and maturity degree** defined and monitored
- Defined processes and roles** foster the establishment of architecture management

Lifecycle Management Concept

ServiceNow as “One UI” to the business with 3 use cases



Automated recognition guarantees repository integrity



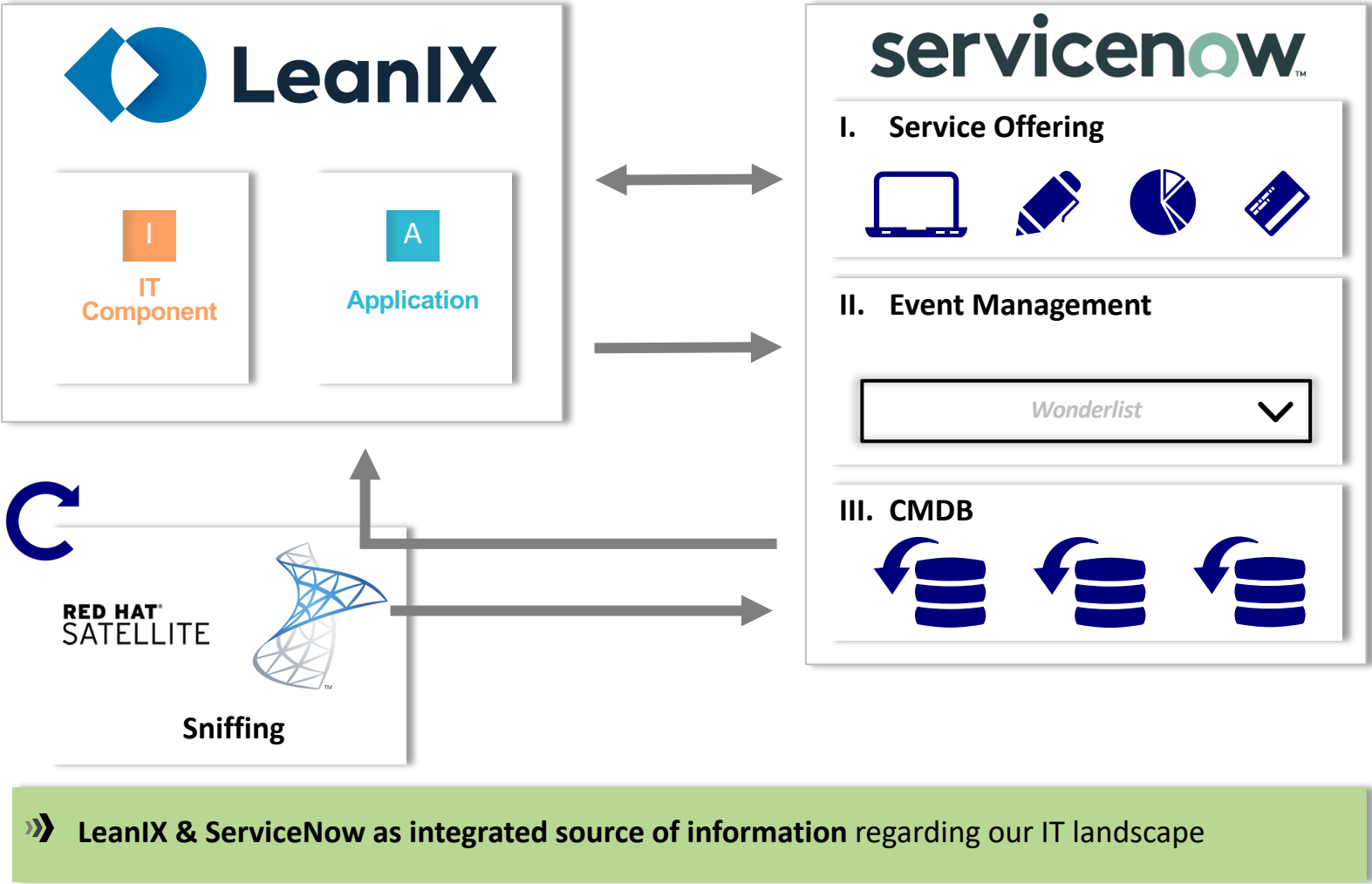
Repository as Source of Truth

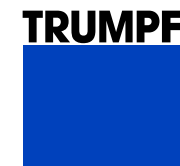


Service Tool for Events



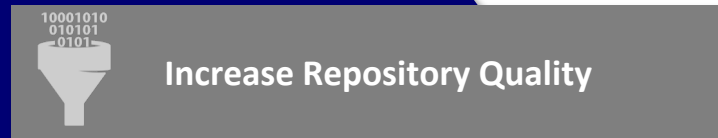
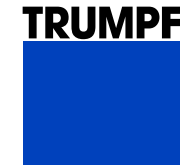
Continuous Transparency





How does it actually work?

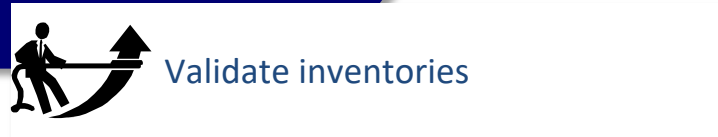
Current lack of LeanIX data quality prevents the lifecycle concept



Increase Repository Quality



Connect Solutions



Validate inventories



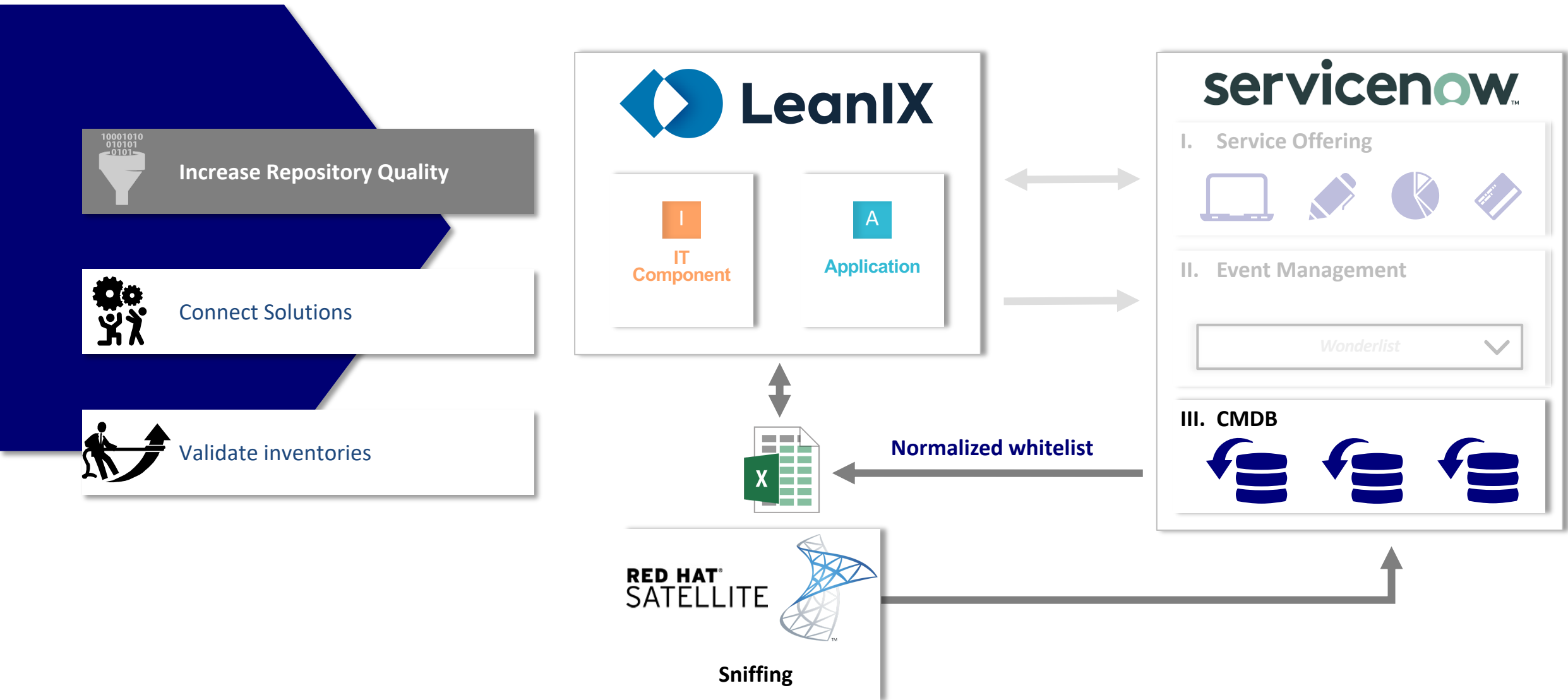
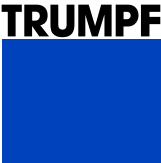
Actual Situation

- Lack of fact sheet **data quality** in various business areas
- Little **effect on bad** or missing **documentation**
- **Unclear responsibilities** for multiple applications
- **Unclear modelling practices**
- **Fear to delete** relevant (wrong) **information**

Current LeanIX content is **not suitable** as

- » **use as single point of truth** and
- » **basic for service and event management.**

Clean up LeanIX according to the use case with a defined future usage





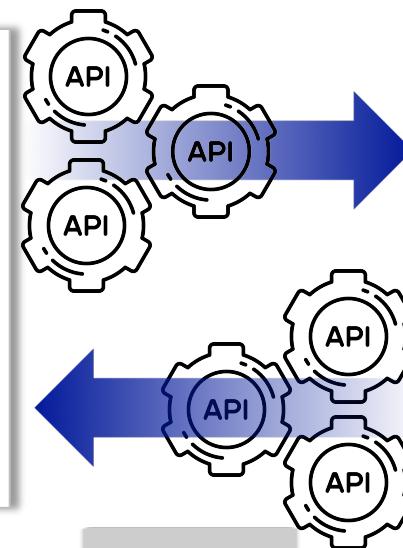
Increase Repository Quality



Connect Solutions



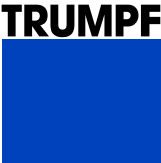
Validate inventories



TRUMPF API Management

- ✓ Transparency throughout organization (TRUMPF API Store)
- ✓ Enables Reusability
- ✓ Strengthen API-first Integration & Strategy
- ✓ Independency of systems

Increase acceptance and inventory quality by enforcing tool usage



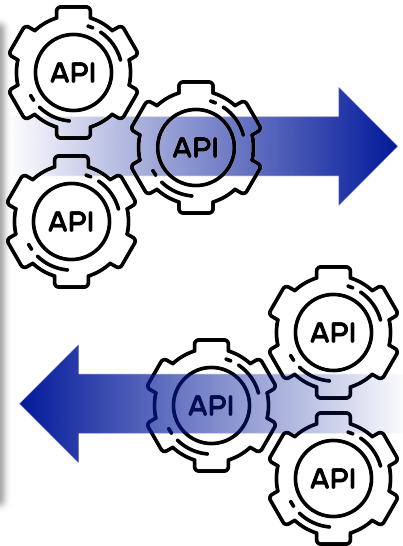
Increase Repository Quality



Connect Solutions



Validate inventories



IT Employees



Better and faster response



Background information

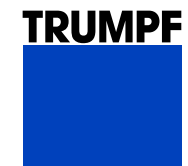
(Obligation to bring)

TRUMPF Employees



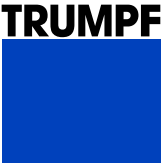
- 900+ ticket fulfillers
- Obligated to check and document ITC, Application and Interfaces
- Obligated to create knowledge articles

- 14.000+ worldwide
- Wonderlist mandatory to select
- Prequalification reduces overall lead time



What's next?

Extending the architecture and lifecycle concept



ONE
Repository

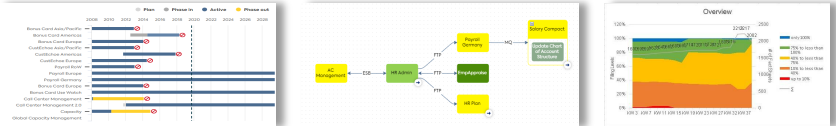
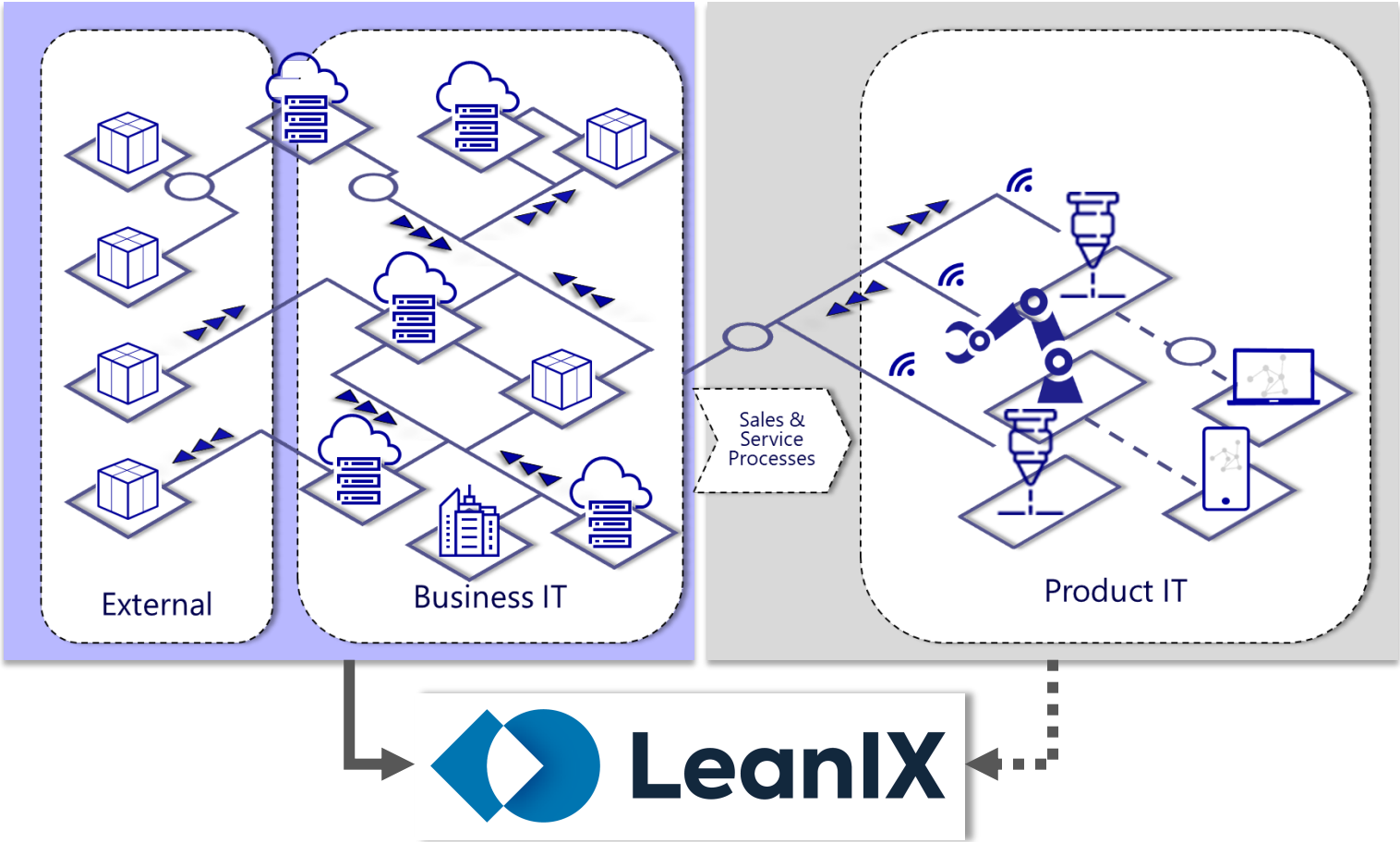
- ✓ Increase end-to-end transparency
- ✓ Recognize failures fast and easily

Reports &
Quality Seal

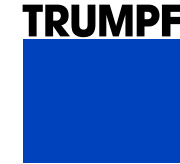
- ✓ Increase quality and guarantee integrity

Capability
Based
Planning

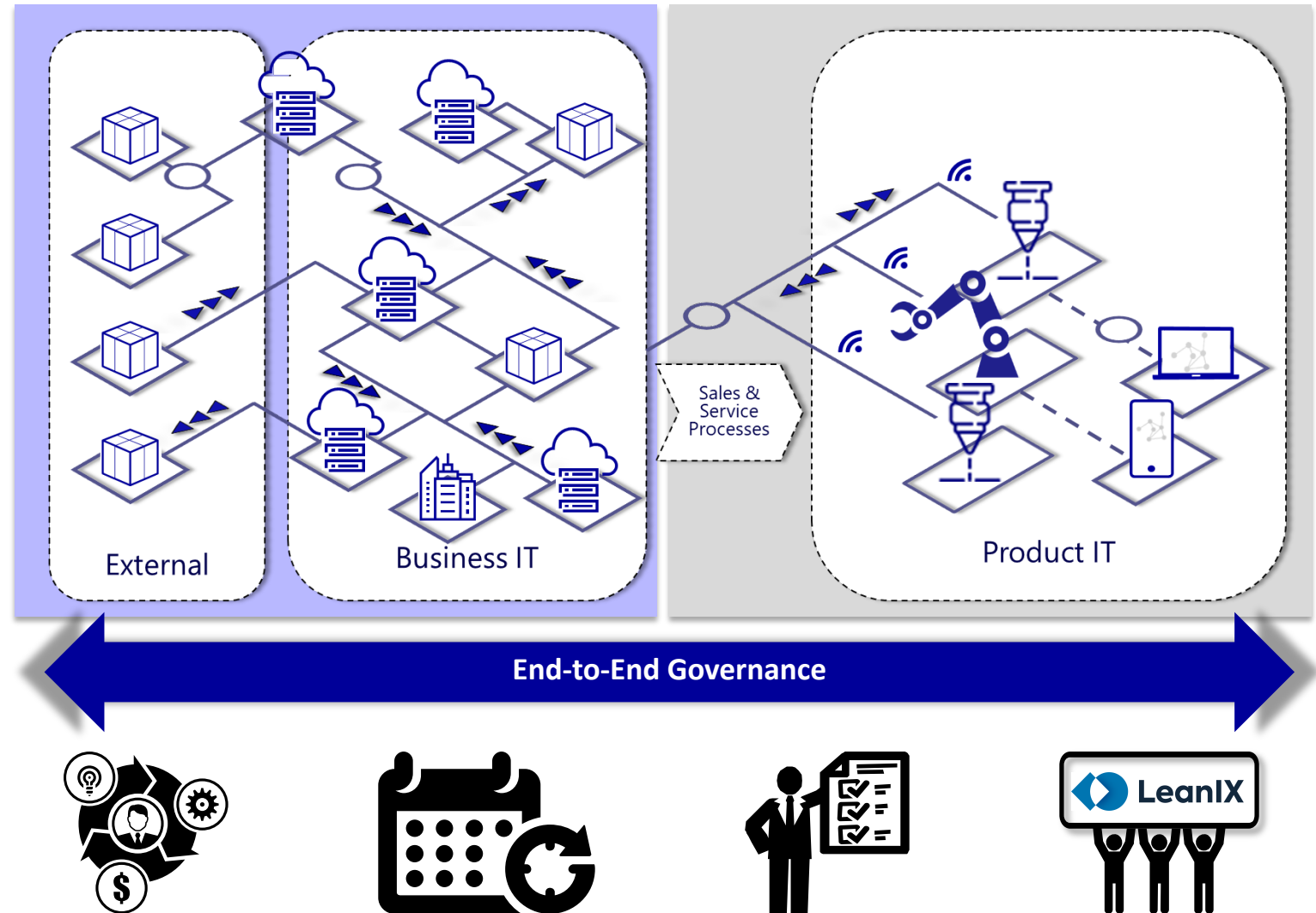
- ✓ Enable product related portfolio planning
- ✓ Business involvement by use cases

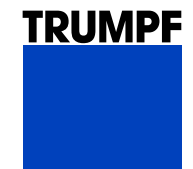


Providing an End-to-End Governance model ensures long-term success



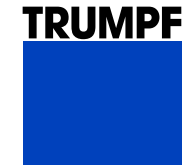
Roles & Processes	<ul style="list-style-type: none"> ✓ Defined architectural roles across all areas (ownership) ✓ Common processes for architecture work
Board Structure	<ul style="list-style-type: none"> ✓ Overarching Arch. Board for exchange and alignment ✓ Defined templates and authorities to decide
Recurring Campus	<ul style="list-style-type: none"> ✓ Extending Campus format on various detail levels ✓ Recurring Campus event at regular intervals
ONE Language	<ul style="list-style-type: none"> ✓ Using one arch. repository ✓ Defining one Glossary ✓ Spreading the architectural thinking





Lessons Learned

Conclusion



Target Architecture

- ✓ Provides guidance
- ✓ Motivates employees
- ✓ Strengthens strategic alignment

- ✗ Discomfort and fears of change
- ✗ Focus on Sales & Service use cases



Common Repository

- ✓ Supports communication
- ✓ Visualizes the business benefit
- ✓ Enables E2E governance concept

- ✗ Data quality is crucial but requires high efforts

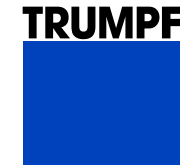


Focus

- ✓ Keep active stakeholder management alive
- ✓ Refine target architecture in each business unit

- ✗ Monitoring over time (sustainability)
- ✗ Seeking for new use cases and stakeholders





Thank you!



Daniel Harprecht
daniel.harprecht@trumpf.com

TRUMPF GmbH + Co. KG (Holding)

Johann-Maus-Straße 2 | 71254 Ditzingen
Telefon +49 7156 303-0 | Telefax +49 7156 303-930309
eMail info@trumpf.com | Internet https://www.trumpf.com/de_DE/



Jan Storz
jan.storz@mhp.com

MHP Management- und IT-Beratung GmbH

Film- und Medienzentrum | Königsallee 49 | D-71638 Ludwigsburg
Telefon +49 (0)7141 7856-0 | Fax +49 (0)7141 7856-199
eMail info@mhp.com | Internet www.mhp.com