



Digital Transformation by Bosch Automotive

Replacing multiple legacy systems with a single, comprehensive platform, purpose-built for the factory floor

Poka Empower Session

Agenda

01

About
Speakers

02

About
Bosch

03

Roadmap
& Scope

04

Project
Team

05

Use Cases

06

User
Feedback

07

Impact
& Value

08

Questions

Poka Empower Session

About Speakers



Christian Loos

Manager Manufacturing Digitalization

Informatics (M.Sc.)

40y | german

Music, Tennis



Marc-Andre Hildebrand

Project Lead POKA

Industrial Engineer (B.Sc.)

29y | german

Go-Kart, Football

Poka Empower Session

Agenda

01

**About
Speakers**

02

**About
Bosch**

03

**Roadmap
& Scope**

04

**Project
Team**

05

Use Cases

06

**User
Feedback**

07

**Impact
& Value**

08

Questions

Poka Empower Session

Bosch in figures

In 2024



90.3

billion euros
sales revenue



3.1

billion euros EBIT
from operations



417 900

Bosch associates
worldwide at year-end
(approx.)



490

subsidiaries and regional
companies (approx.) in
more than 60 countries

Who we are

Our business sectors



Mobility



Industrial Technology



Consumer Goods



**Energy and Building
Technology**

Poka Empower Session

Product portfolio Mobility Electronics

■ ECU

■ SC

■ Function

Electrical Steering

**Integrated Circuits,
Sensors, Power SC**

Steering support
Vibration monitoring

Power Electronics

**Integrated Circuits,
Power SC**

Regulate the flow of
energy in electric vehicles

Airbag Control Unit with Satellite Sensors

**Integrated Circuits,
Sensors**

Signal a collusion and
trigger the airbags

Power Train Control Units

**Integrated Circuits,
Sensors**

Optimize Engine
Control and smooth
Power Train Operation

Door Module

**Integrated
Circuits, Sensors**

Controls window
lifters and exterior
mirrors, detect side
impact, key-fob

Video Camera

**Integrated
Circuits**

Detecting
obstacles on
the road

Comfort

Sensors

Detecting road noise
Active suspension
Navigation

ADAS & Radar

**Integrated Circuits,
Sensors**

Measures distance
to other vehicles and
localization



Park Pilot

Integrated Circuits, Sensors

Calculate the distance to
obstacles

ABS / ESP

**Integrated Circuits,
Sensors**

Controls the brake hydraulics
for each wheel



**Let's jump into the
future – with power.**

Let's move #LikeABosch

Poka Empower Session RtP2 in figures

In 2024



200

million euros
sales revenue



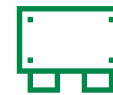
1 300

associates
(approx.)



13

ramp-ups



20

products

Poka Empower Session

Agenda

01

About
Speakers

02

About
Bosch

03

Roadmap
& Scope

04

Project
Team

05

Use Cases

06

User
Feedback

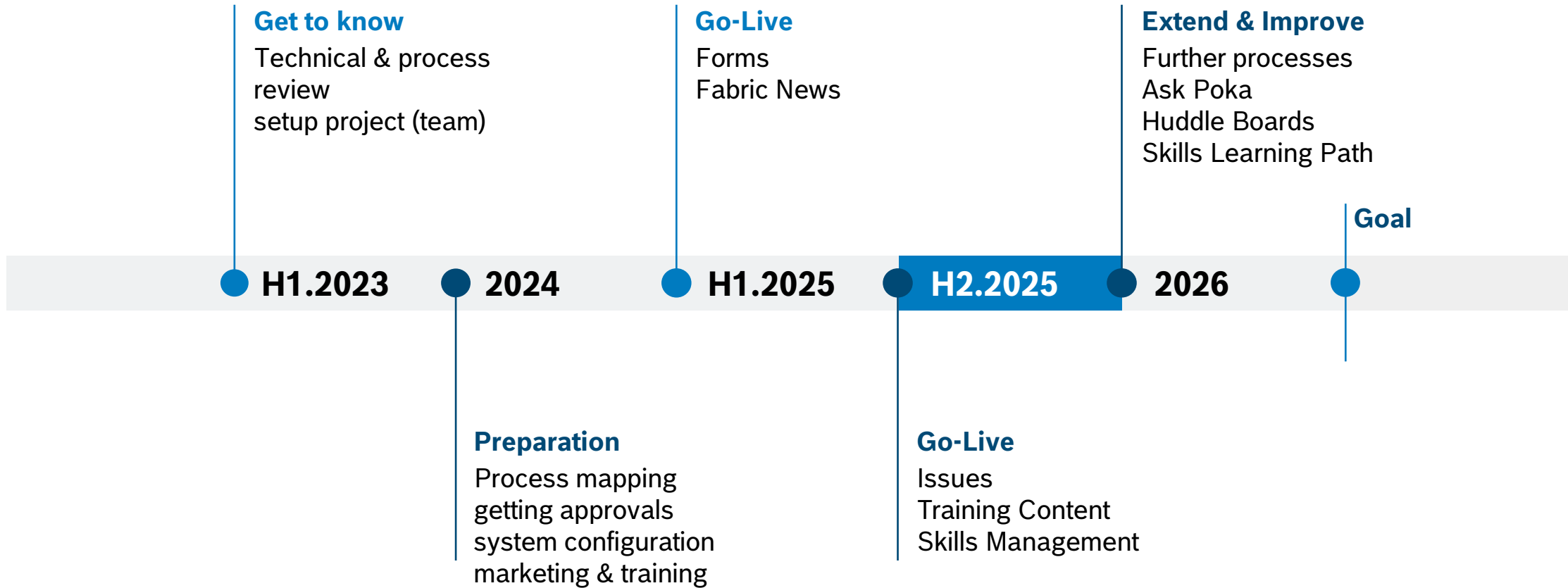
07

Impact
& Value

08

Questions

Poka Empower Session Roadmap



Poka Empower Session

Project Scope

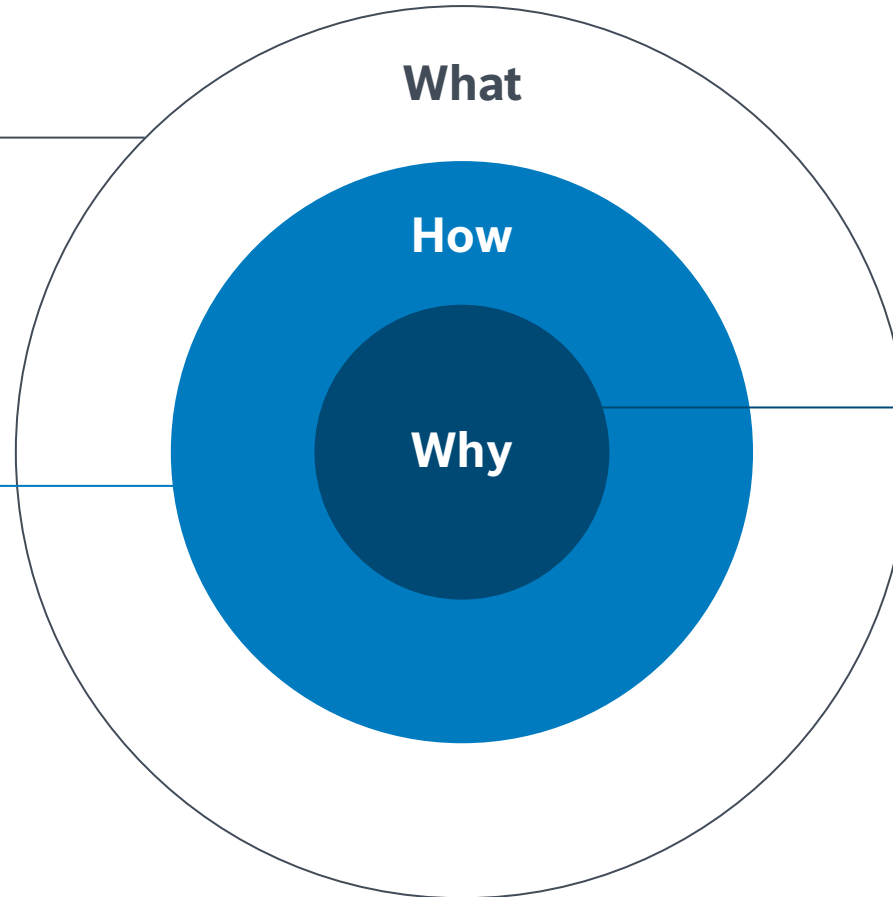
What

- Increase **usability**
- Improve **productivity**
- Reduce cost

How

Replacing multiple legacy systems with **a single, comprehensive standardized platform**

- User-friendly system landscape, **easy to use**
- All information and data on a machine in **one place**



Why

Connect team members to improve collaboration

Learning to solve problems and **share knowledge** in real time

Poka Empower Session

Agenda

01

**About
Speakers**

02

**About
Bosch**

03

**Roadmap
& Scope**

04

**Project
Team**

05

Use Cases

06

**User
Feedback**

07

**Impact
& Value**

08

Questions

Poka Empower Session

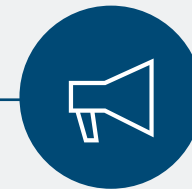
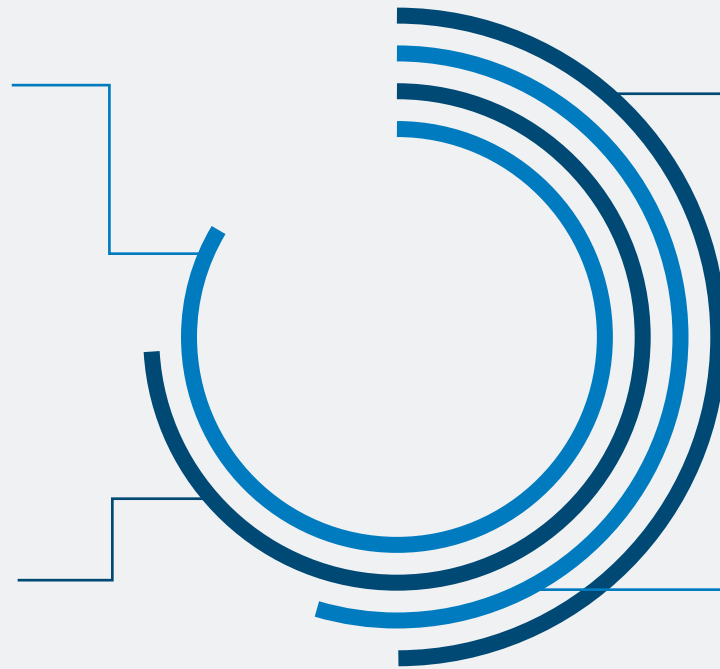
Project Team



Project Lead & Sponsor
1x (100%); 1x (20%)
Lead & Organization



Core Team
4x (100%)
*Development & Rollout;
**Responsible for both the
technical and process-
related implementation***



Extended Team
28x (5%)
1st Level Support (in Shift)



Key User
6x/area (10%)
2nd Level Support & Training
Coordinators

Poka Empower Session

Agenda

01

**About
Speakers**

02

**About
Bosch**

03

**Roadmap
& Scope**

04

**Project
Team**

05

Use Cases

06

**User
Feedback**

07

**Impact
& Value**

08

Questions

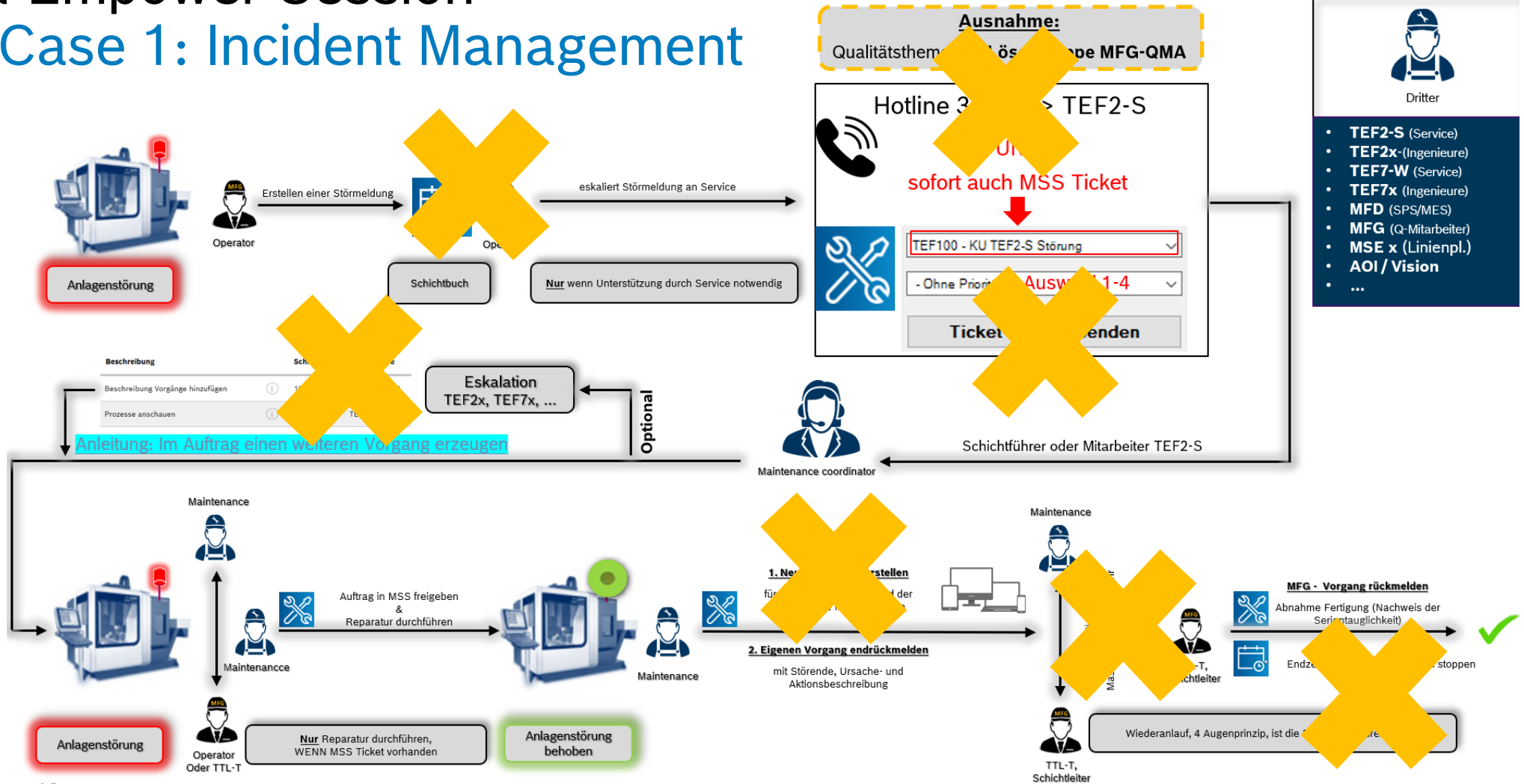
Poka Empower Session

Process overview

Internal Communication	Knowledge Base	Incident Management	Work Instructions
01	02	03	04
Competence Management	Checklists	Maintenance	Et cetera...
05	06	07	08

Poka Empower Session

Use Case 1: Incident Management



Poka Empower Session

Use Case 1: Incident Management



60%

**Time
Improvement**
managing an
issue



500pc

**Customer
Satisfaction**
improved, gaining 25%
more issues



100k

**Monetary
Benefit**
reducing mean time to
attend & repair

Poka Empower Session

Use Case 2: Work Instructions

Back

Search in Poka

Christian

Benutzerhandbuch: MAT Label Erstellung

User Manual

Like DE

Work Instruction

23 1 1

Status Änderung

Initialübertragung in POKA

Lagerplatz "Master-MAT"

Package-ID startet mit "M" statt mit "S"
M = Master MAT-Label
S = Single MAT-Label



Aufgabe für STE MA:
Master MAT-Label scannen, wenn möglich MASTER-MAT Label abziehen und Ware im KLT beilegen für event. Problemlösung/Rückfragen.

Hintergrund:
Lieferant liefert Master MAT-Label. In der Innenverpackung befinden sich weitere Single-MAT-Labels für die Fertigung. Diese sind automatisch in MES bekannt, wenn das Master MAT-Label gescannt wurde. Identifikation funktionierender Master MAT-Labels anhand Vermerk "Master MAT" im Feld Lagerplatz.

Zugehöriges Single MAT-Label auf der Innenverpackung:

Information

Category
User Manual

Language
German

Ownership
RtP2

Version Author
Rama Alateki

Creation Date
Apr 22, 2025, 3:12:43 PM

Status
Approved

Approval Date
Apr 22, 2025, 3:12:43 PM

Revision Date
Apr 22, 2028

Revision
Every 3 years

Version
5.0.0

Poka ID
268

Approval
German (DE)

Sharing

Areas
Workstations

0
2

Poka Empower Session

Use Case 2: Work Instructions



70%

**Time
Improvement**
for creating and
accessing WI



76%

**Customer
Satisfaction**
during Rollout &
replacing old processes



62k

**Monetary
Benefit**
supporting daily
management with AI
bundle

Poka Empower Session

Agenda

01

**About
Speakers**

02

**About
Bosch**

03

**Roadmap
& Scope**

04

**Project
Team**

05

Use Cases

06

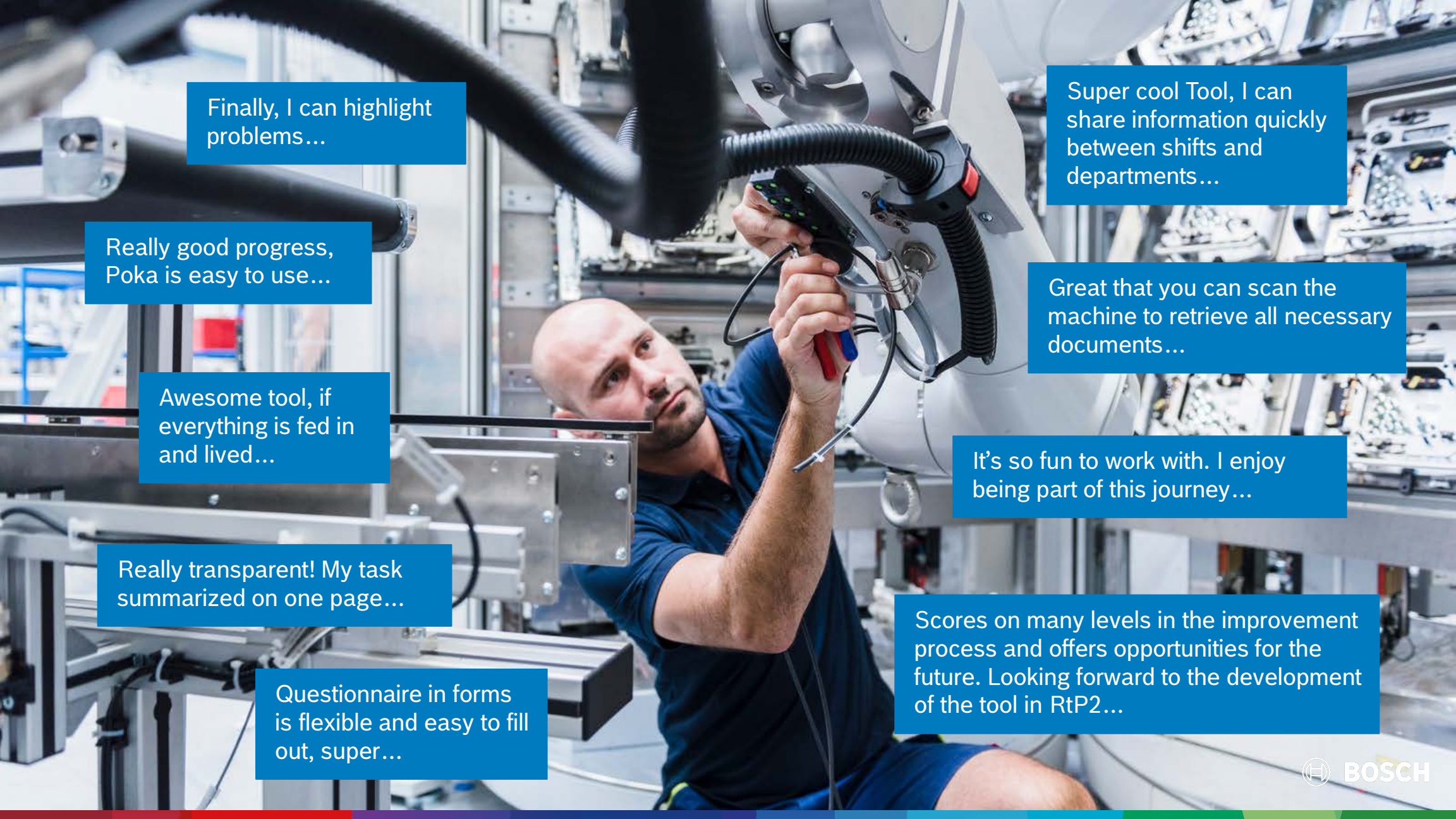
**User
Feedback**

07

**Impact
& Value**

08

Questions

A man in a blue shirt is working on a robotic arm in a factory setting. He is holding a tool and looking at the machine. The background shows industrial equipment and a clean, well-lit environment.

Finally, I can highlight problems...

Really good progress, Poka is easy to use...

Awesome tool, if everything is fed in and lived...

Really transparent! My task summarized on one page...

Questionnaire in forms is flexible and easy to fill out, super...

Super cool Tool, I can share information quickly between shifts and departments...

Great that you can scan the machine to retrieve all necessary documents...

It's so fun to work with. I enjoy being part of this journey...

Scores on many levels in the improvement process and offers opportunities for the future. Looking forward to the development of the tool in RtP2...

Poka Empower Session

Agenda

01

**About
Speakers**

02

**About
Bosch**

03

**Roadmap
& Scope**

04

**Project
Team**

05

Use Cases

06

**User
Feedback**

07

**Impact
& Value**

08

Questions

Poka Empower Session

Impact & Value



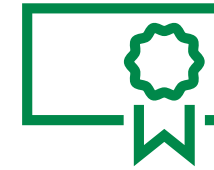
4%

productivity
increase



40%

reduction in onboarding
of new employees



200

thousand euros decrease
for licenses and
development costs
(3rd party software)

Poka Empower Session

Agenda

01

**About
Speakers**

02

**About
Bosch**

03

**Roadmap
& Scope**

04

**Project
Team**

05

Use Cases

06

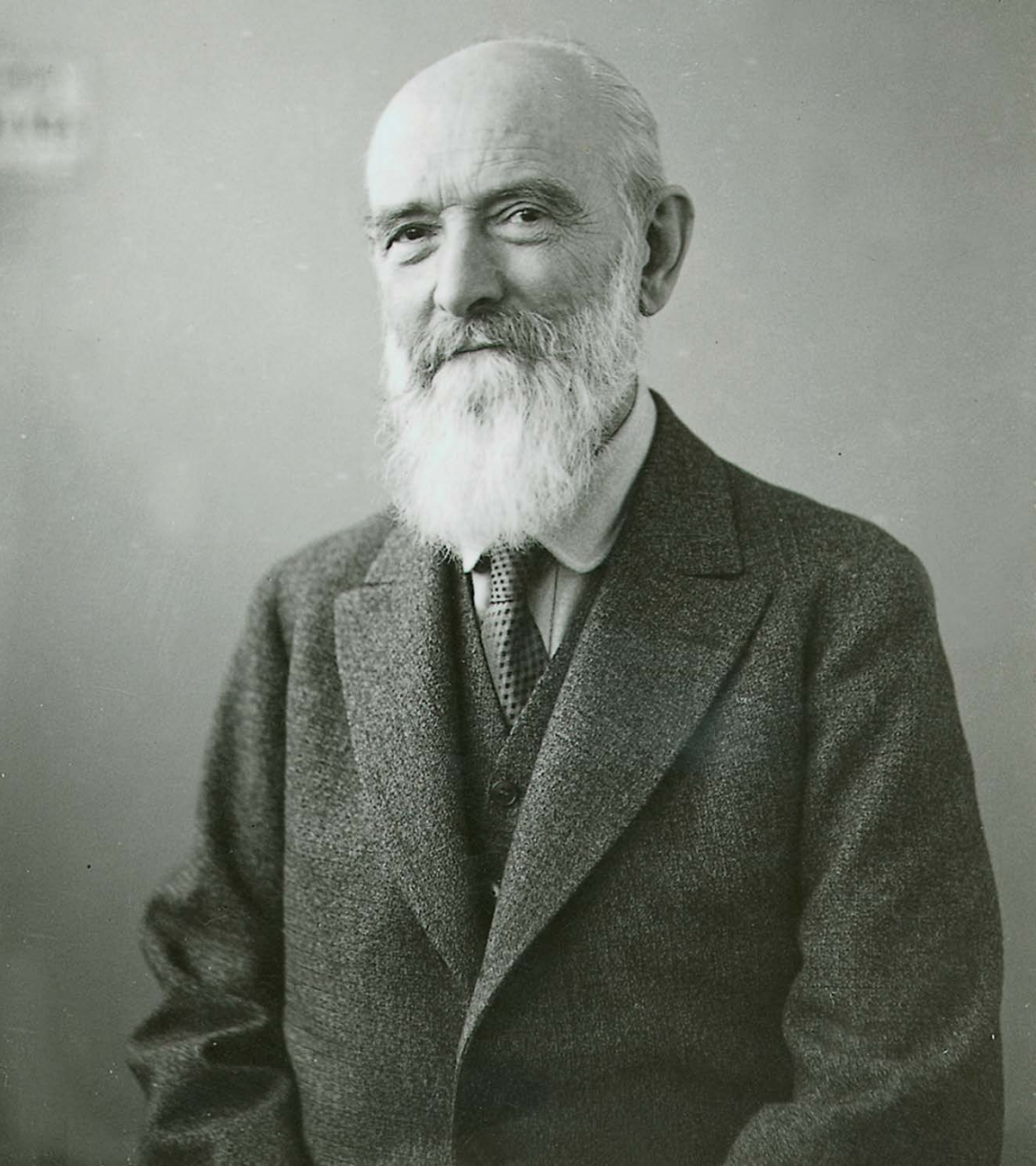
**User
Feedback**

07

**Impact
& Value**

08

Questions



Poka Empower Session Questions

„We should all strive to improve on the status quo: none of us should ever be satisfied with what has been achieved, but should always endeavor to do better.“

Robert Bosch, 1861-1942