

Digital Transformation in Turnover and Commissioning

With Co-Console

June 01, 2023

Agenda

- Introduction
- Co-Console & Inspection App
- Digital Turnover
- Implementation & Vision
- Benefits
- Summary

Introduction

Speakers

Tayfun Alan

- Construction Department
- Turnover Manager at BASF SE
- 4 years of Construction (Chemical Industry)

Patrick Char

- Construction Department
- Co-Console Admin at BASF SE
- 7 years of Construction (Energy, Coking Technology, Chemical Industry)

Background on BASF



over 110.000 employees worldwide



Globally active in 80 countries



Experienced in chemical industry
since 1865



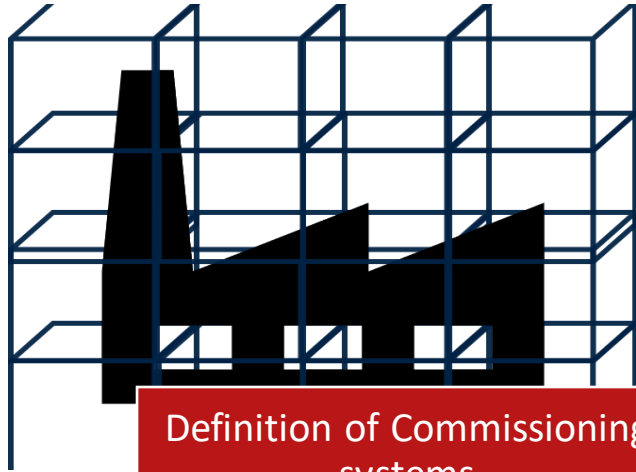
Worlds largest chemical company



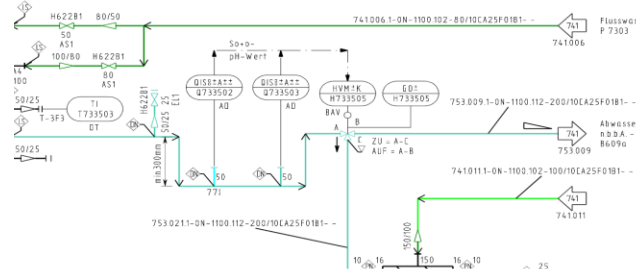
Competitive edge through owners
execution



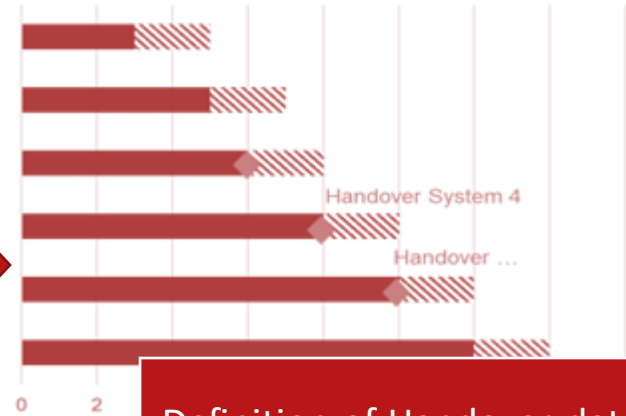
Turnovermanagement @BASF



Definition of Commissioning systems



Detailed Development of systems and subsystems



Definition of Handover dates



Definition of Check sequences

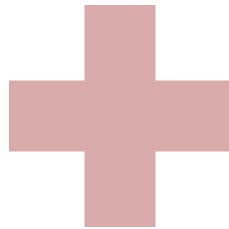


Completion Tracking

Construction Without Digital Turnover

Paper based

- Test package folders
- Manual handling
- Missing flexibility



Manual maintenance

- Excel Status Tracking
- Delayed data Input
- Limited Checks



High overhead

- Less reliable
- High effort
- No interfaces

What is Co-Console



TAG	Brief Description
BXM 6111-1	Motor BX6111
BXM 6111-2	Motor BX6111
F 6101	Filter Gelatinesilo
F 6102	Filter Wiegebehälter
23m	23 m Ebene
H610205	Abreinigung F 6102
P610206	Differenzdruck F 6102
610E.005.1	610E.005.1
(010) SMA-010	Technische Dokumente von Engineering f...
(030) MXA-030	Installiert - Installed
(055) SMA-055	Freigegeben für Piping - Released for Piping
(057) SMA-057	Freigegeben für E&I - Released for E&I
(100) MXA-100	Finale Abnahme - Final inspection
(110) SMA-110	Freigabe für Mechanische Fertigstellung - ...
(190) SMA-190	Final Walkdown - Final Walkdown
(200) SMA-200	Mechanische Fertigstellung - Mechanical C...
F 6102_Mechanical Drawing	F 6102_Rev.4.0_Mechanical Drawing
V245-V06-0100-PE-410-610E	Emulsionsansatz_1E
B-PI00815	M-1401
B-PI00817	M-1500
(030) MXA-030_Mech.Equip_F 6...	'BASF Signed' on 2022-Mar-11 Archived:...
(055) SMA-055_Mech.Equip_F 6...	'BASF Signed' on 2022-Jul-25 Archived: ...
(057) SMA-057_Mech.Equip_F 6...	'BASF Signed' on 2022-Jul-25 Archived: ...
(100) MXA-100_Mech.Equip_F 6...	'BASF Signed' on 2023-Jan-31 Archived:...
(110) SMA-110_Mech.Equip_F 6...	'BASF Signed' on 2023-Mar-15 Archived:...
(190) SMA-190_Mech.Equip_F 6...	'BASF Signed' on 2023-Mar-15 Archived:...
(200) SMA-200_Mech.Equip_F 6...	'BASF Signed' on 2023-Mar-15 Archived:...
Punch Item_PI00815 (4-842)	'Accepted by BASF' on 2022-Sep-15 Arc...
Punch Item_PI00817 (4-844)	'Accepted by BASF' on 2023-Jan-13 Arc...
P06	Gelatine L1+L2
F 6105	Sackschütte BHT

Mobile Inspection App

Mobile Devices

- Barcodes
- Inspections
- Punch Items

Approver Structure

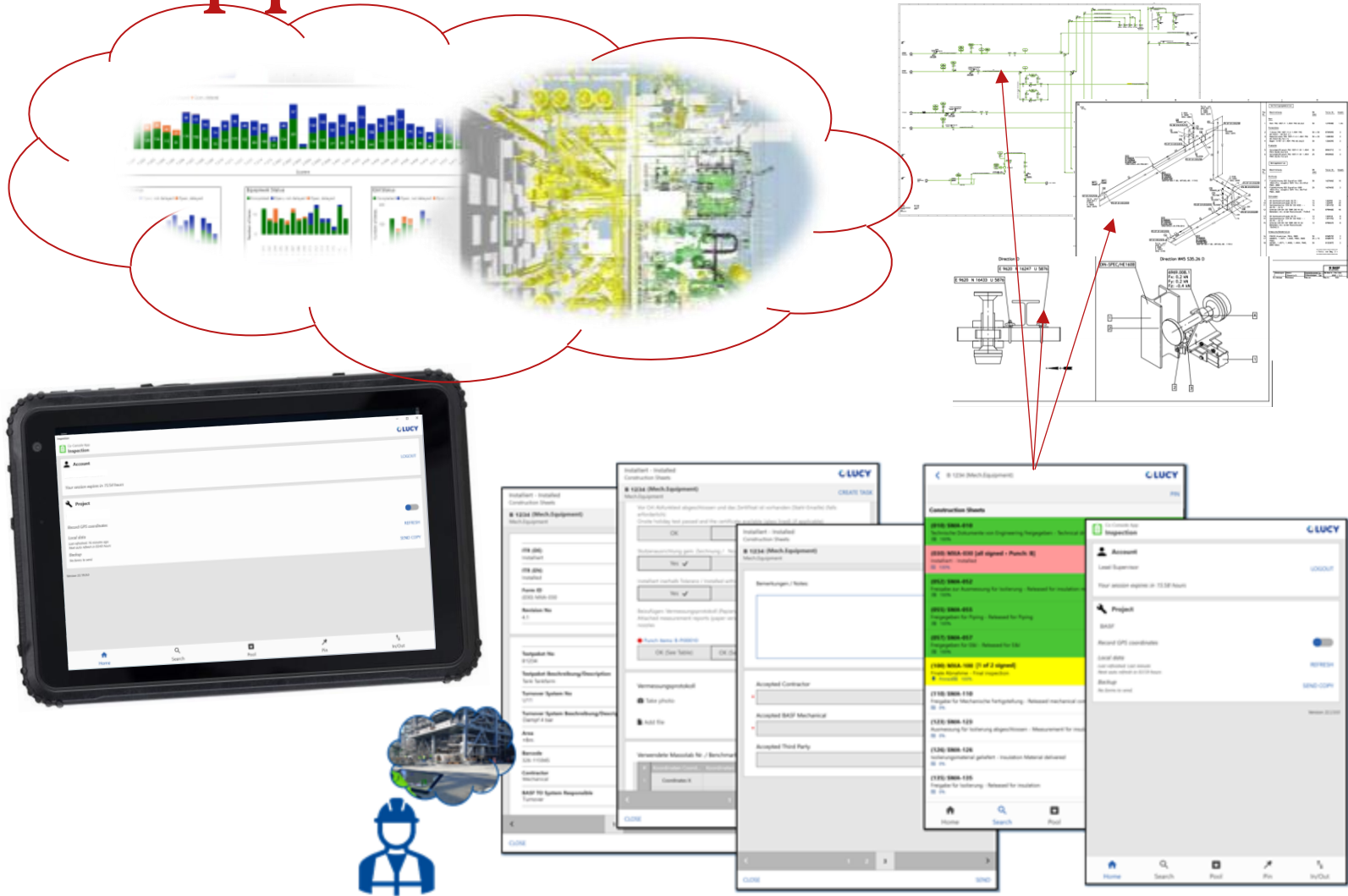
- Groups
- Levels
- Multi Sign

Live data

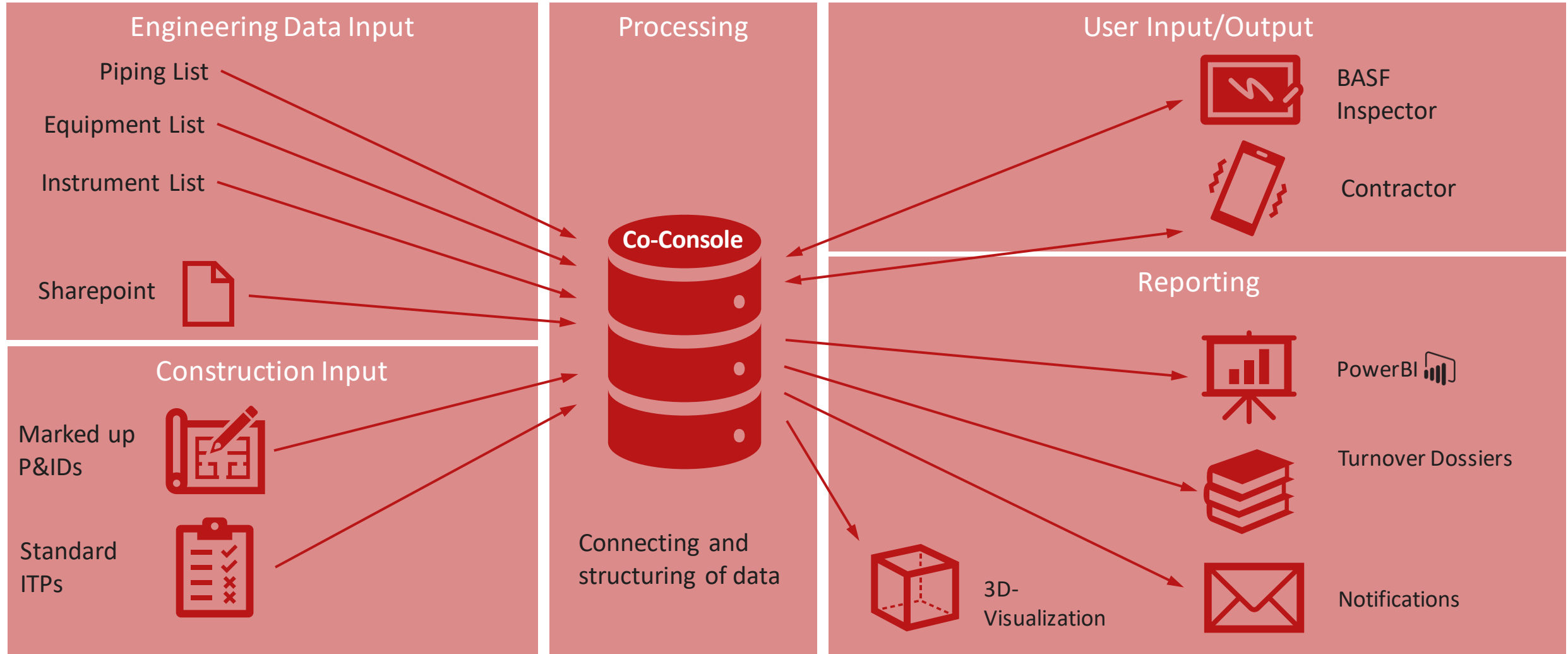
- Documents
- Activities
- Offline functionality

Features

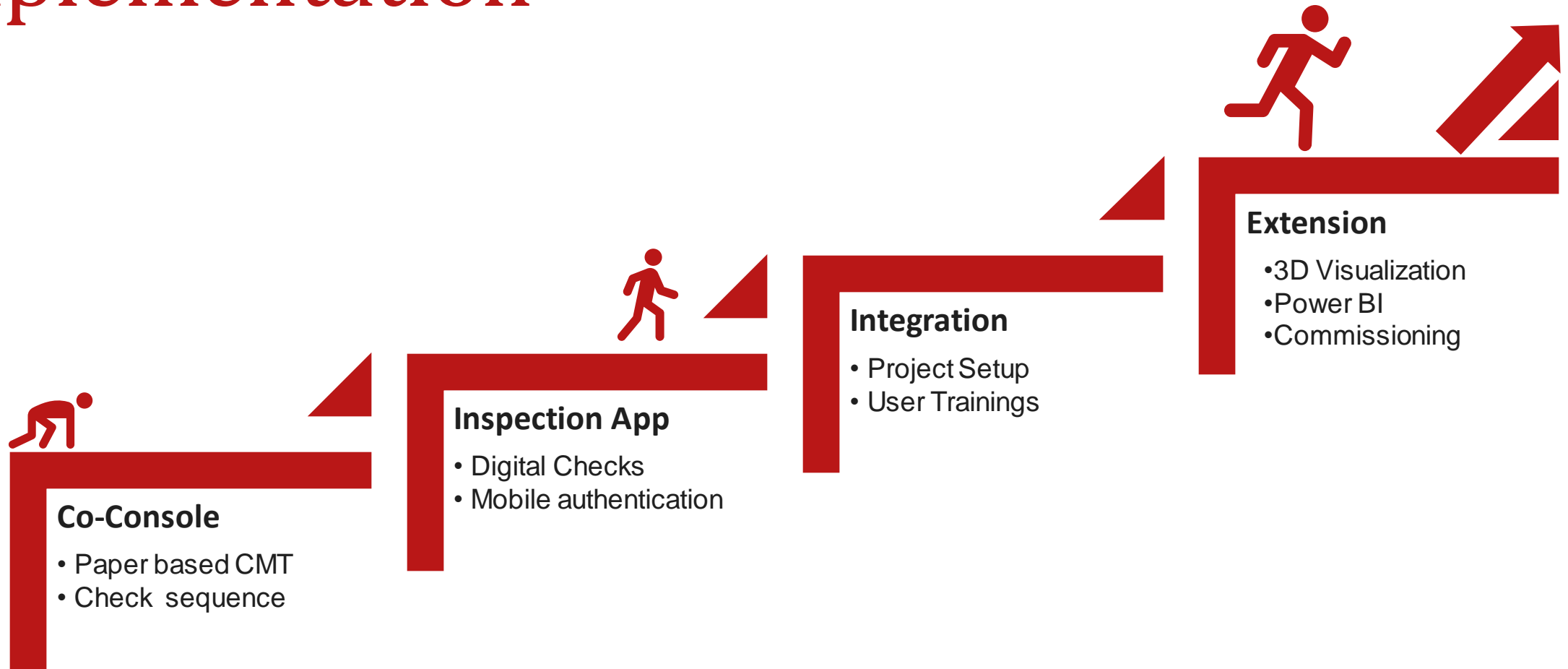
- Split Screen
- PDF Preview
- RFID-Scan



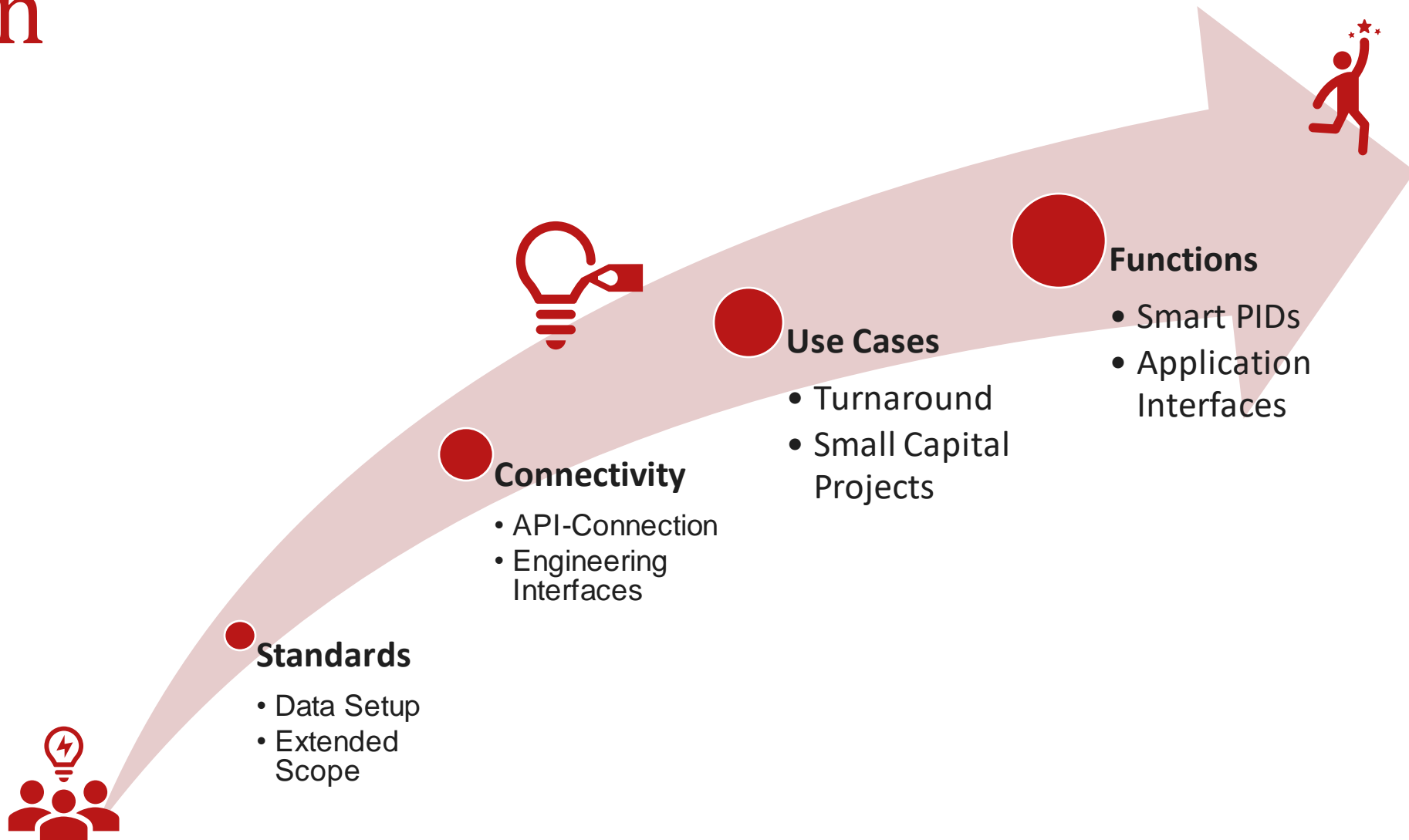
Digital Turnover Using Co-Console



Implementation



Vision



Development



Independent solution

- Custom setup

Data interfaces

- Standardize formatting
- Data migration

User acceptance

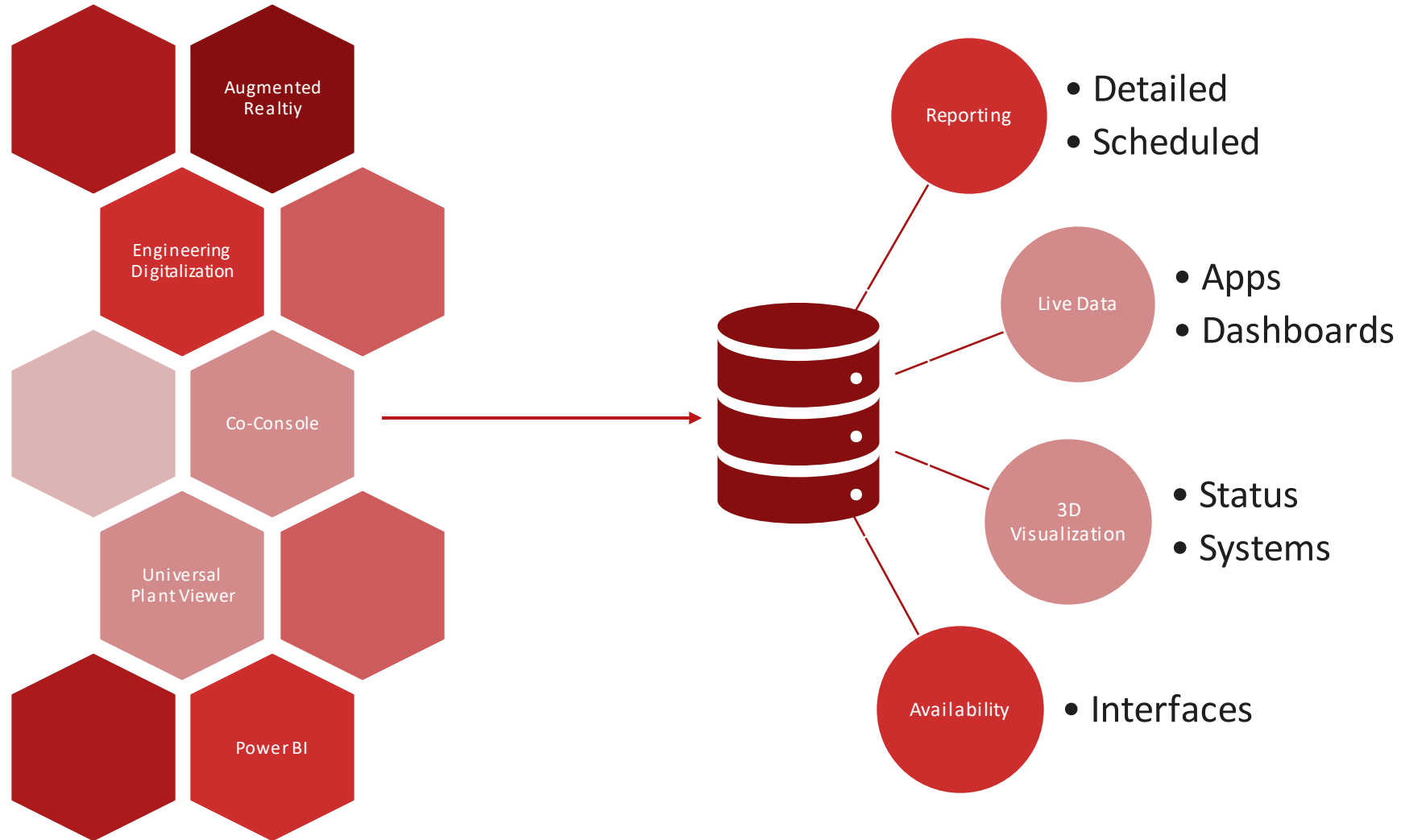
- Creating awareness for digital Processes
- Training of Supervisors

IT Landscape

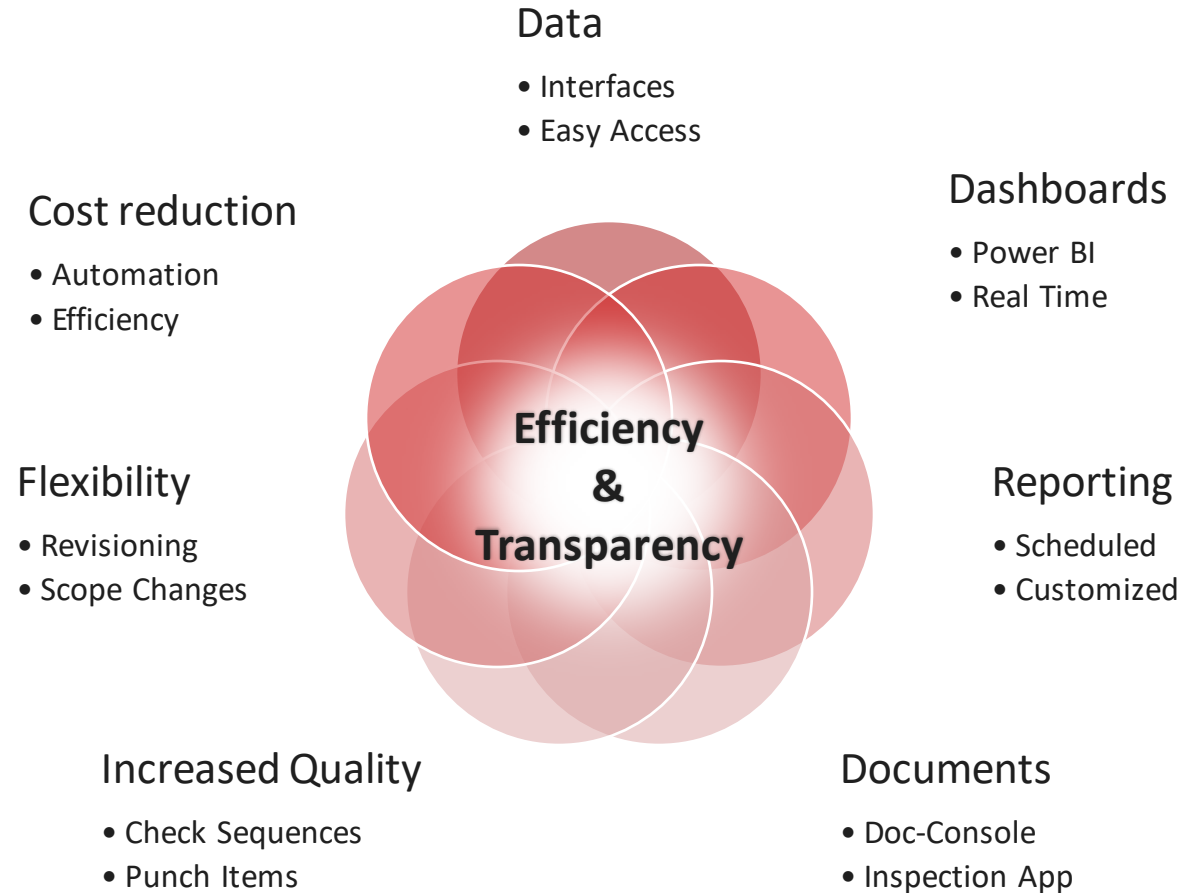
- Integration in workflows
- High security standards

Hardware availability

Digital Transformation @ BASF



Benefits of the Solution



What did we do



Transformation

- Digital Check Sequence
- Digital Punch Process
- Digital Documentation



Mobile Devices

- 3D Status Visualization
- Dashboards
- Inspection App



Data

- Automation
- Consistency
- Interfaces



Improvement

- Standardization
- Quality
- Efficiency

Questions?

Thank you



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CONFERENCE