

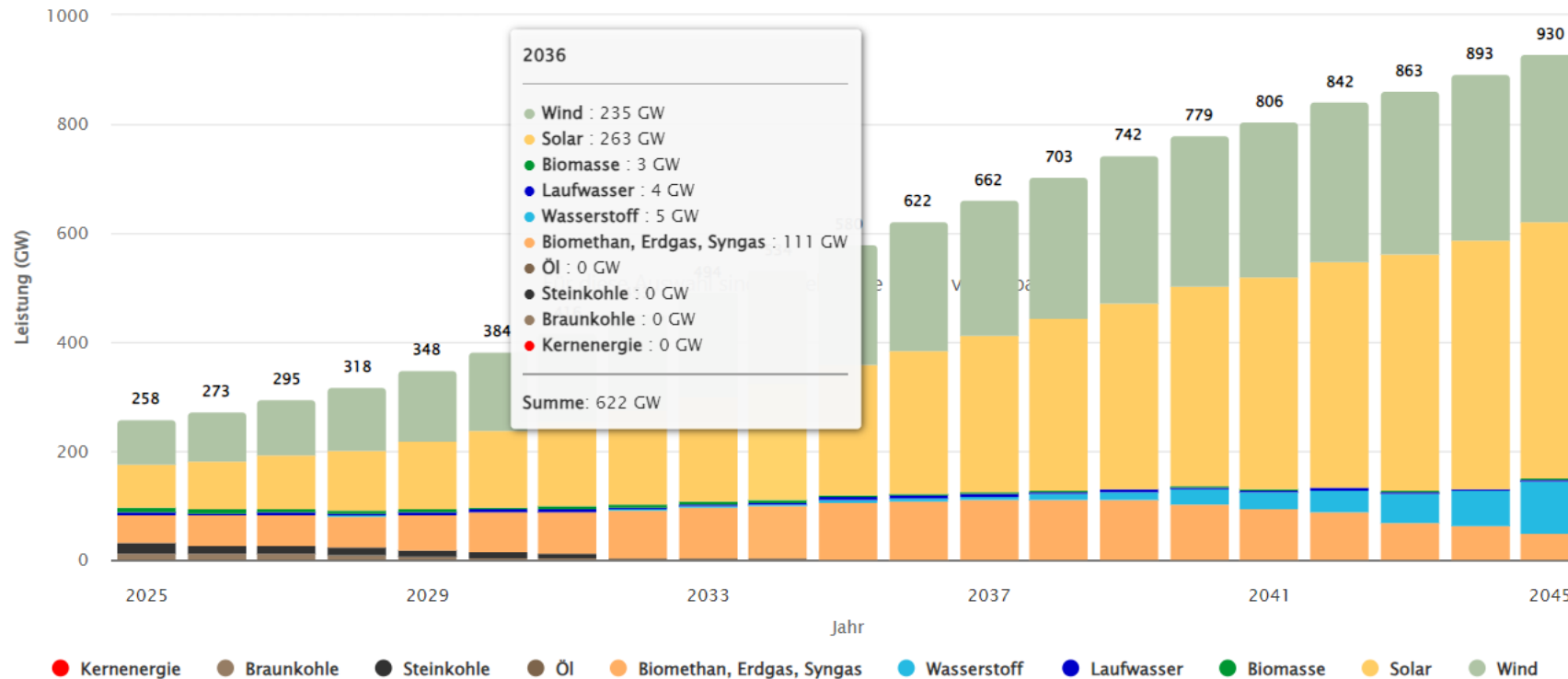
Vom Zielbild zur Wirkung - Wie KPIs den Fortschritt der Enterprise Architecture messbar machen

Hermann Steinrötter / June 2026
E.ON Digital Technology GmbH



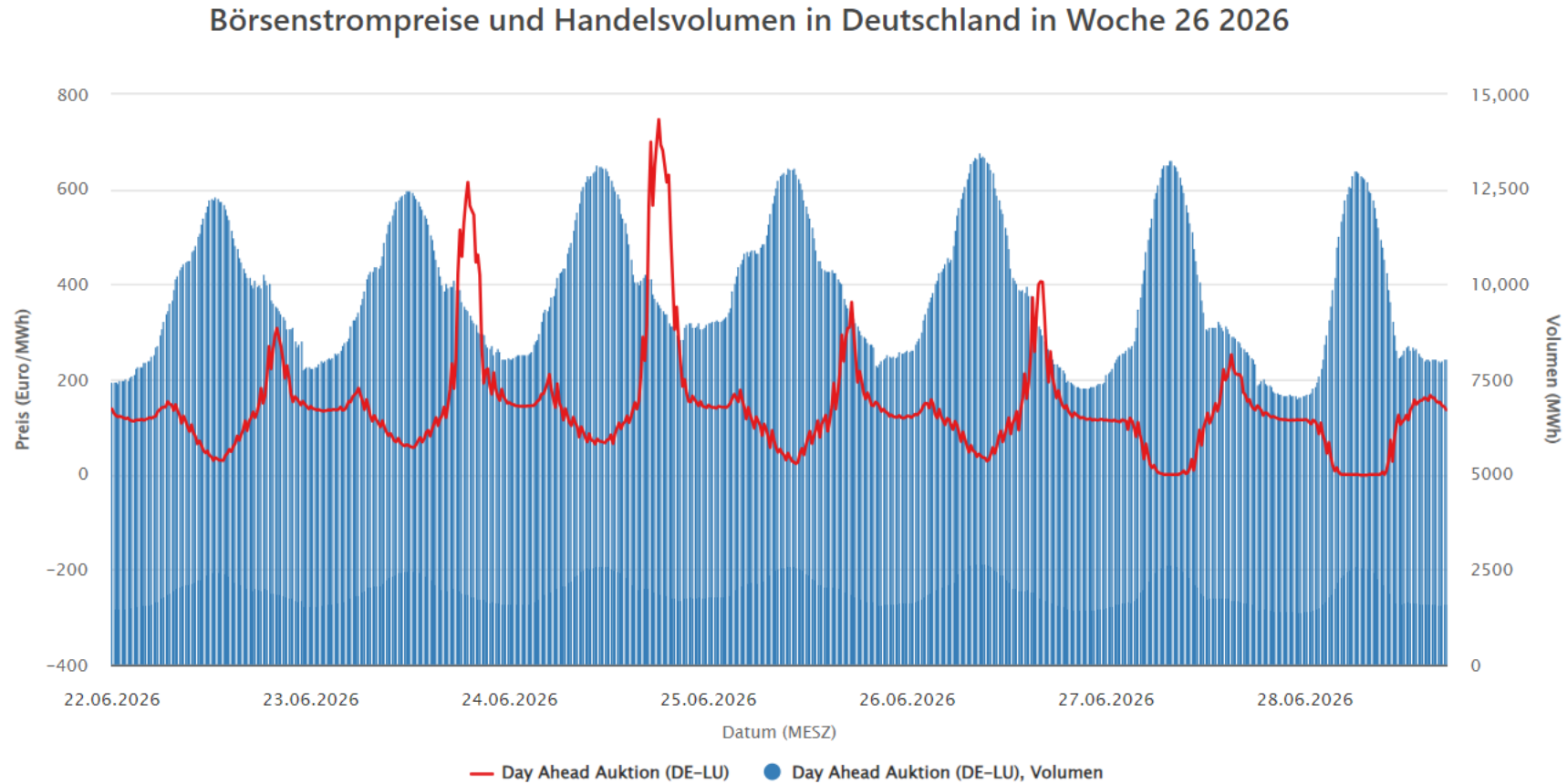
Weg zur Klimaneutralität (Technologieoffen)

Fraunhofer-Institut für Solare Energiesysteme ISE



Börsenstrompreise KW

Fraunhofer-Institut für Solare Energiesysteme ISE



Agenda

1. E.ON Group
2. Challenges / Opportunities Energy Transition
3. E.ON CTP - Common Technology Platform
4. EA KPIs -How to measure success
5. Lessons learned / Next steps



Our group

Everyone is talking about new energy: we make it work!

We are one of Europe's largest energy companies with the business areas of energy distribution grid, energy infrastructure solutions and energy sales.

With our 1.6 million kilometre-long energy distribution grid and around 47 million customers, we are playing a leading role in shaping a green, digital and decentralized energy world.

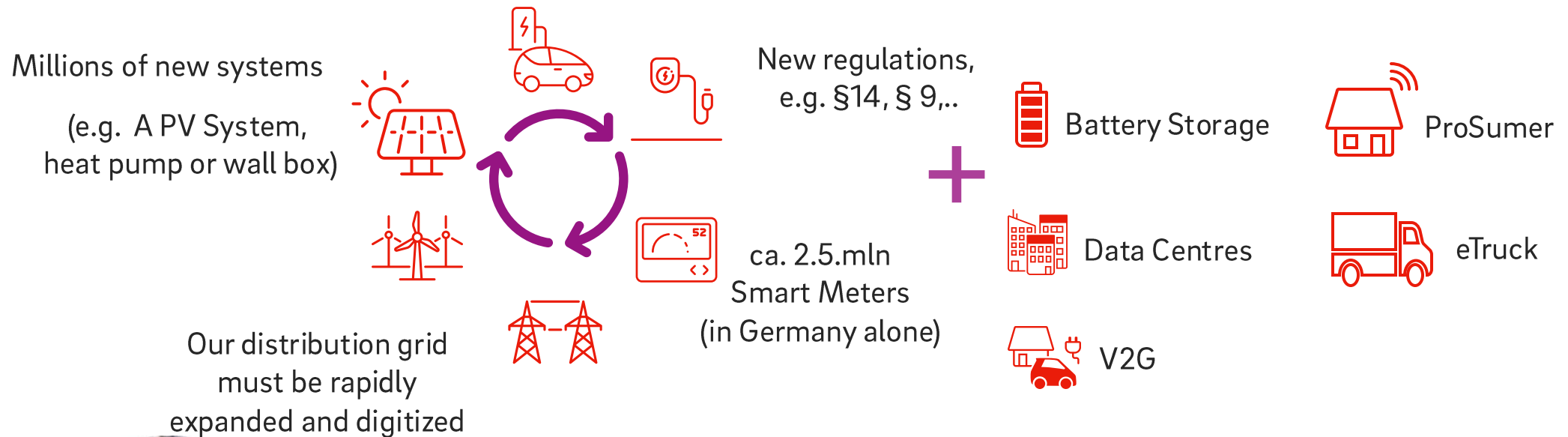
It's on us to make new energy work.

At a glance (financial year 2025)

Employees 78.270	Retail Customers ~47 millions
Energy grids 1.6 million kilometres	Capital Expenditures 8.5 billion euro
Connected Renewables GER 110 GW, ~50% of German CR	Adjusted consolidated EBITDA 9,8 billion euro

Challenges / Opportunities Energy Transition

The E.ON group must fulfil a set of ambitious goals of the EU and the federal government
as part of the Energy Transition by 2030



*"If we don't completely digitize our grids, then we can't integrate solar and wind,
and we simply won't be able to do it at all."*

Leonhard Birnbaum, CEO E.ON SE

E.ON developed a Common Technology Platform (CTP)

EXPERIENCE AND SOLUTIONS PLATFORM
E.ON digital customer interaction and growth engine



DIGITAL OPERATIONS PLATFORM
E.ON digitalization fabric powered by IoT and AI



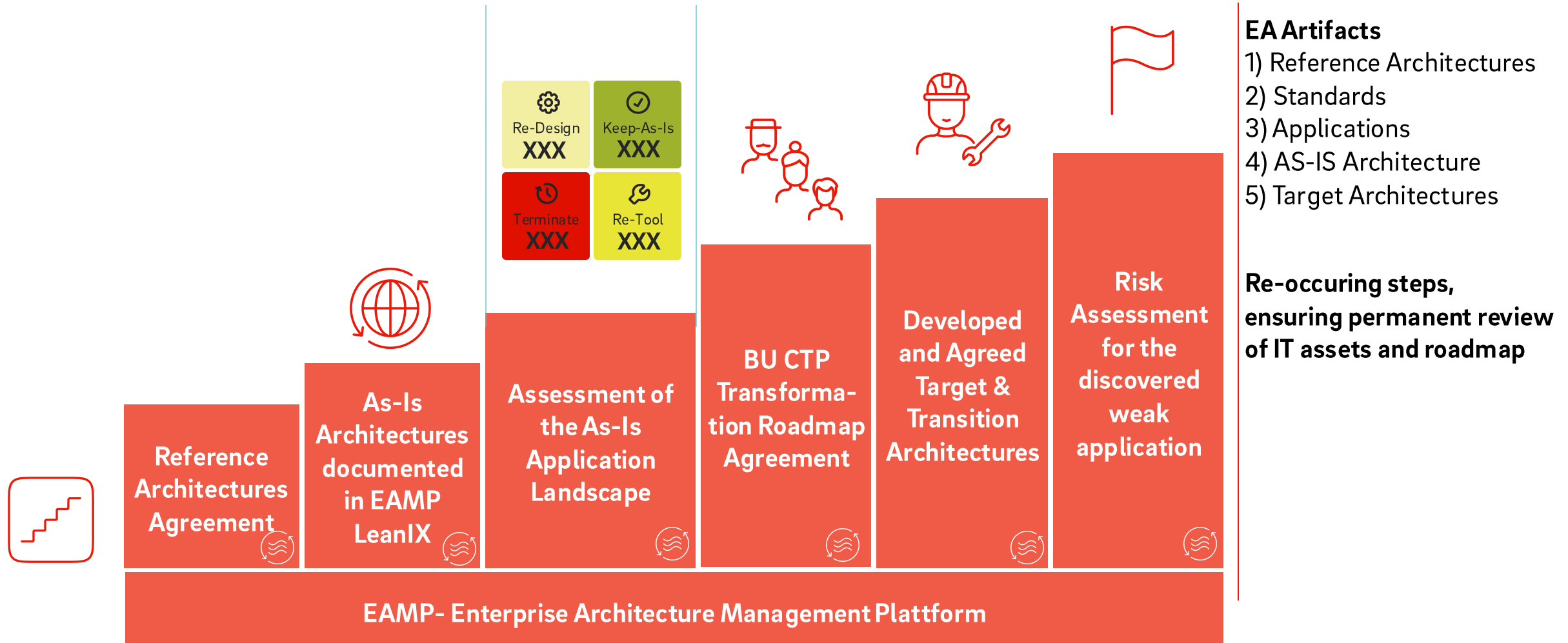
BUSINESS OPERATION PLATFORM
E.ON highly automated business process foundation



TECHNOLOGY FOUNDATION LAYER
E.ON Core Infrastructure

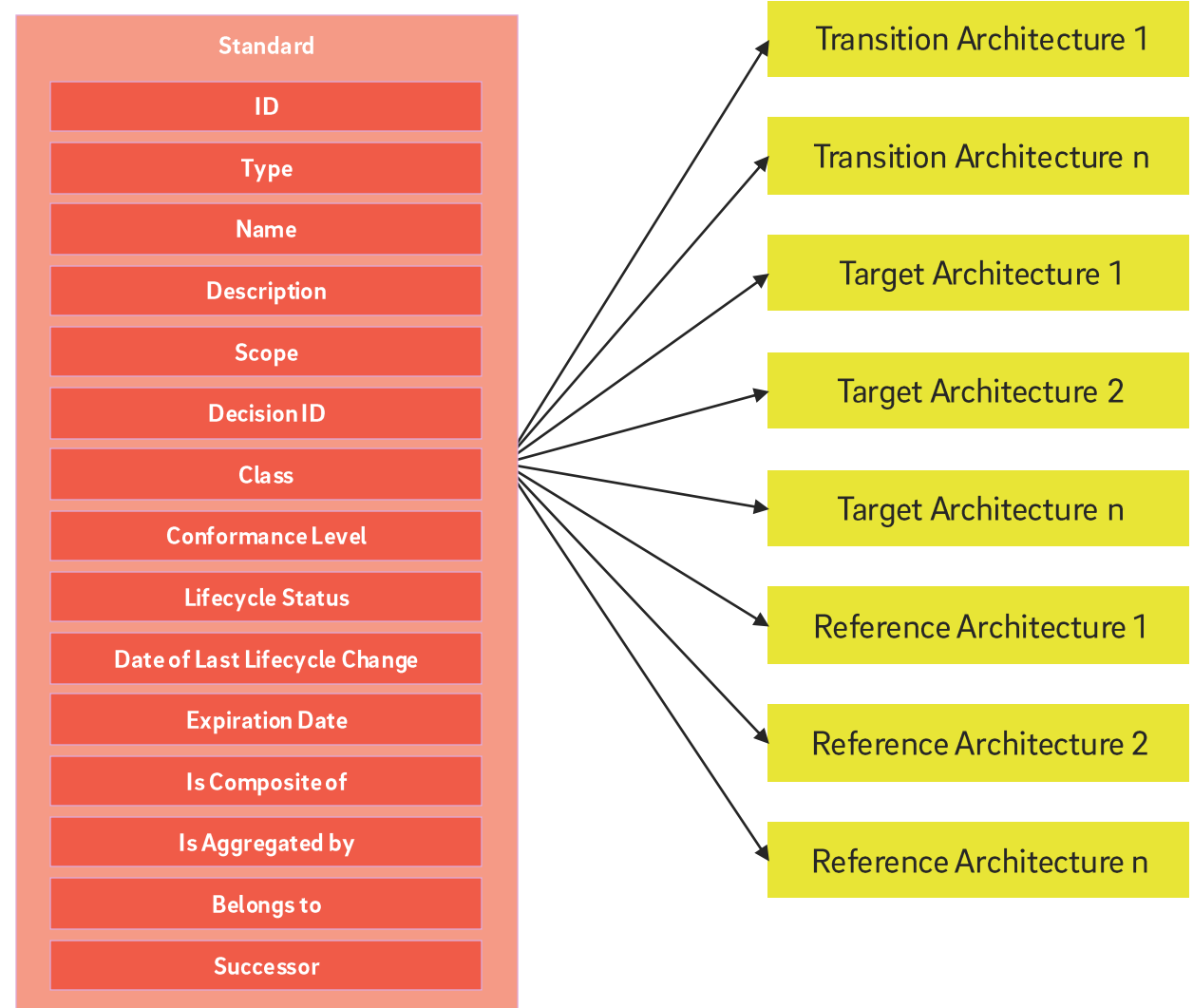


The journey to establish a CTP conform IT landscape



Standards - Concept, Motivation & Objectives

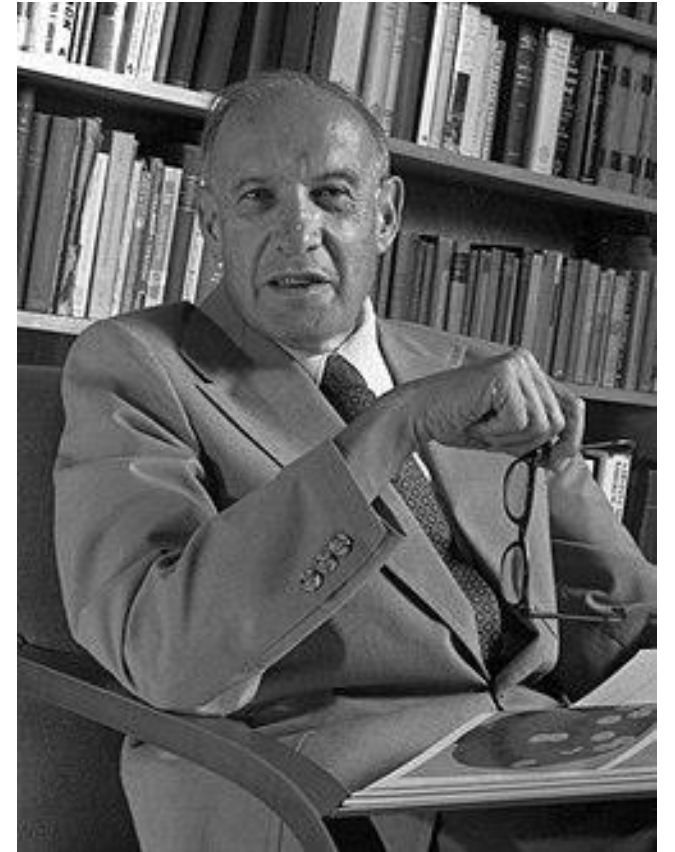
- **Standards are design decisions** that are defined **independent of** transition, target, and reference **architecture**.
- **Standards influence** and constrain the design of transition, target, and reference **architectures** depending on their properties (e.g., scope, conformance level, lifecycle status).
- The definition of a standard is motivated by the objective to shape and **predefine design decisions across several transition**, target, and reference architectures and thus transform several as-is architectures and landscapes.
- **Defining a standard to just represent the as-is situation and without any impact to transition, target, and reference architectures does not make sense.**
- Conceptual model for standards is geared towards an incremental lifecycle model



Professor Peter Drucker (1909-2005)

„Was man nicht messen kann,
kann man nicht lenken.“

1954 „Management by Objectives“ (MbO) oder „Führen durch Zielvereinbarung“.



<https://www.flickr.com/photos/jeffmcneill/5789354451/in/photostream/>

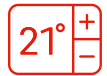
Key Performance Indicators



Relevant and Aligned with Goals



Clear and Easy to Understand



Measurable and Quantifiable



Actionable and Influential



Timely and Regularly Reportable



Trendable (Should "Move")



Balanced (Leading & Lagging)

Questions to be answered?



How far is the Business Unit (BU) with the cloudification process?
What is the progress regarding Cloud Native?

KPI: Cloudification Service Model (8)



How many standards (applications/ technologies/ vendors) are used today per BU?
Do we focus on the right standards?

KPI: Standardization of critical applications(9)



Where are the Cluster today with the implementation of the CTP compliant Target Architecture (TA) (how close is the BU to the TA)?

KPI: Target Architecture Progress (2a)

KPI: Standardization of critical applications(9)



How many standards (applications/ technologies/ vendors) are used today per BU?

Do we focus on the right standards?

- Transparency on Standard Application **usage** per BU
- % of used **critical** applications per BU, which are standardized
- Standards and the scope of standards defined by governance
- Criticality based on **availability rating** (High or Very high)

"BU MUSTER"- list of used critical applications

KPI 70%

Appl XYZ01
(no standard)

Appl 12XYZ
(Standard)

Appl XYZ03
(no standard)

Appl 2XYZ
(Standard)

Appl XYZ11
(no Standard)

Appl3 XYZ
(Standard)

Appl XYZ12
(Standard)

Appl 4XYZ
(Standard)

Appl XYZ45
(Standard)

Appl 4XYZ
(Standard)

KPI: Target Architecture Progress (2a)



Where are the Cluster today with the implementation of the CTP compliant Target Architecture (TA) (how close is the BU to the TA)?

- Transparency on the progress regarding CTP compliant TA
- KPI is the number of applications, used already today, which are assigned to a confirmed TA
- TA documented per BU for **used** Applications
- TA and the scope of TAs approved by governance

“BU MUSTER” – TA Version 2.0 –

KPI 60%

Appl XYZ01
(active)

Appl 12XYZ
(active)

Appl XYZ03
(active)

Appl 2XYZ
(planned)

Appl XYZ11
(active)

Appl3 XYZ
(not planned)

Appl XYZ12
(active)

Appl 4XYZ
(not planned)

Appl XYZ45
(active)

Appl 4XYZ
(not planned)

Lessons Learned



- Dataquality, Dataquality, Dataquality
- Governance and management support
- Communication / Documentation – incl. how to influence KPIs
- “Pen-Test” KPIs
- Don’t change published KPIs, during the performance period
- Focus on business-critical capabilities / applications
- LeanIX as / one single source of truth for EA Artifacts
- LeanIX – is for us not a reporting / Dashboarding / KPI

2026ff-Automate Governance or be bypassed !

Next Steps / Priorities



- Dataquality, Dataquality, Dataquality incl. automation
- Continuous Update/ Review of EA Artifacts (Standards, TA, AI...) linked to business strategy / priorities
- Convergence of IT / OT – Artifacts
- Focus on automated / AI enabled governance enforcement

Thank you



hermann.steinroetter@eon.com

<https://www.linkedin.com/in/hermann-steinroetter-994938/>

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Backup

01/07/2026

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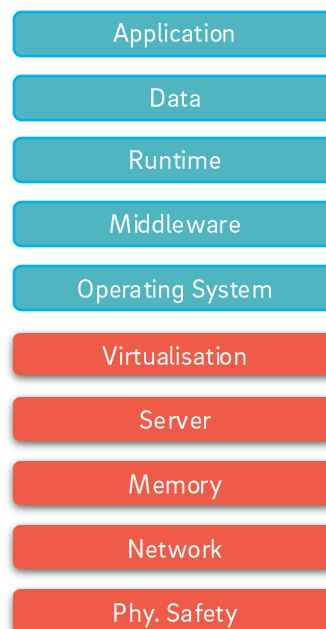
Software as a Service (SaaS)



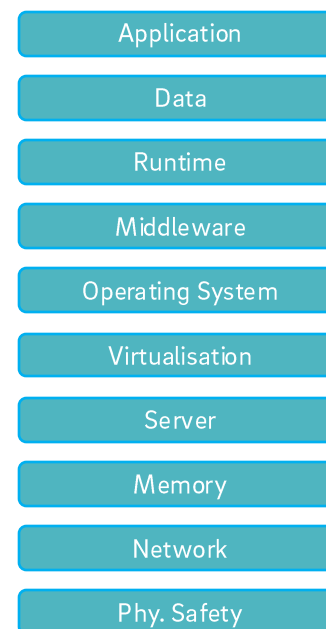
Platform as a Service (PaaS)



Infrastructure as a Service (IaaS)



On Premise



Accountability Customer

Accountability Provider

Shared Accountability