

Nachhaltig, resilient und auch noch profitabel?



Wie die SAP Strategie des Intelligenten Produktionsunternehmens die Digitalisierung in der Fertigung unterstützt

Dr. Sandra Maus, SAP

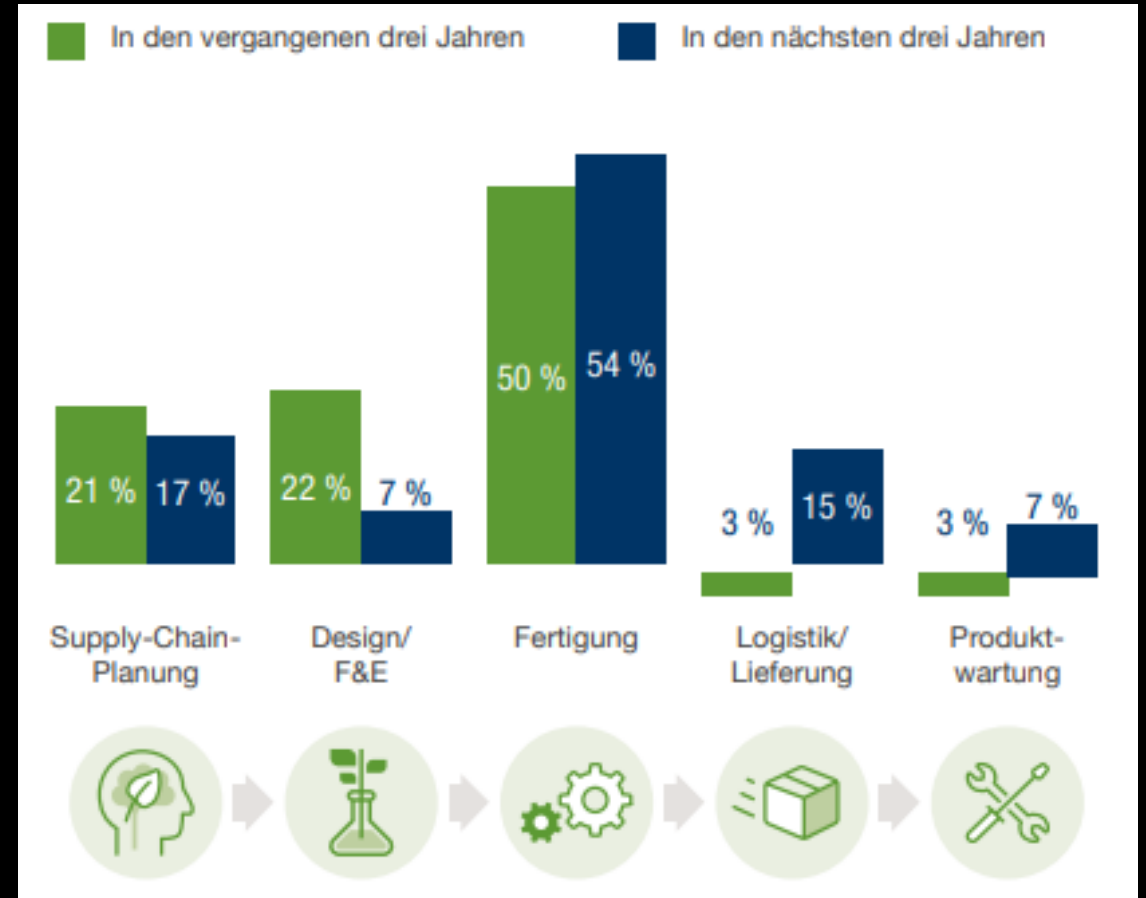
Vision von der grünen Fabrik



Grüner werden in der **gesamten Wertschöpfungskette**

In welcher Phase der Lieferkette haben Sie den größten Fortschritt bei der Steigerung der Nachhaltigkeit erzielt?

Wo werden Sie den größten Fortschritt erzielen?



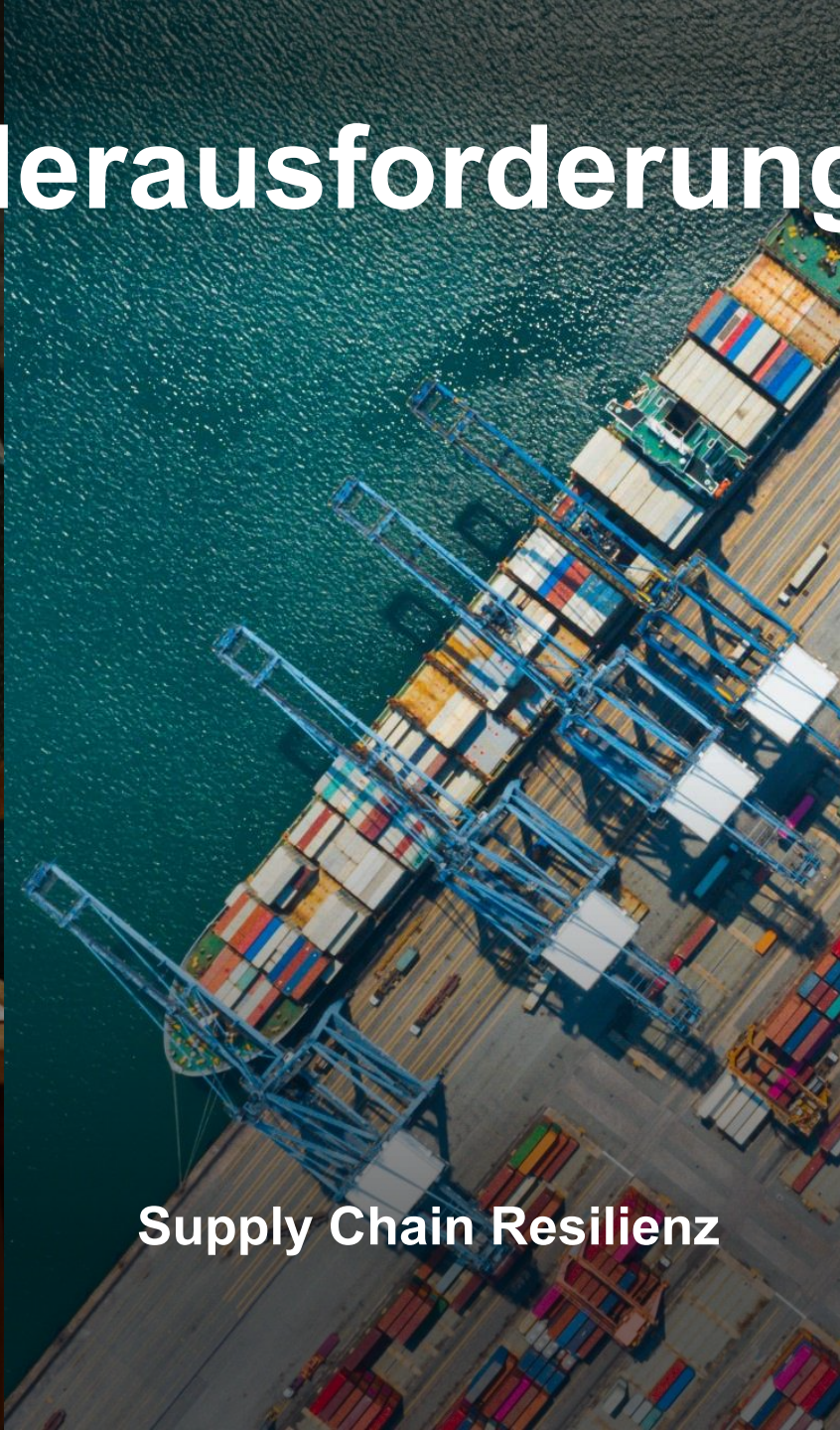
Realität: Nachhaltigkeitsinitiativen werden gestoppt
und verschoben



Globale Herausforderungen



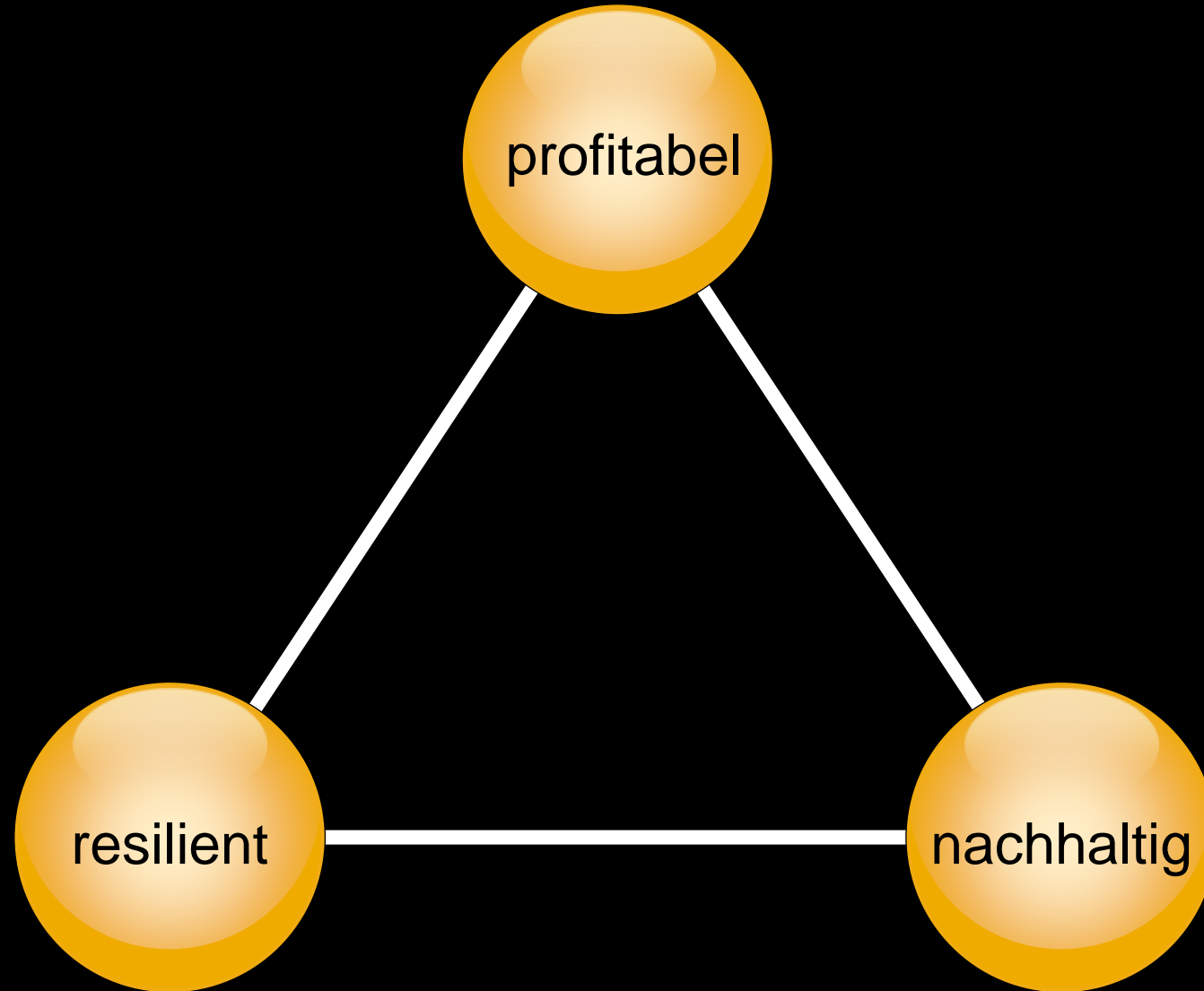
Business Transformation



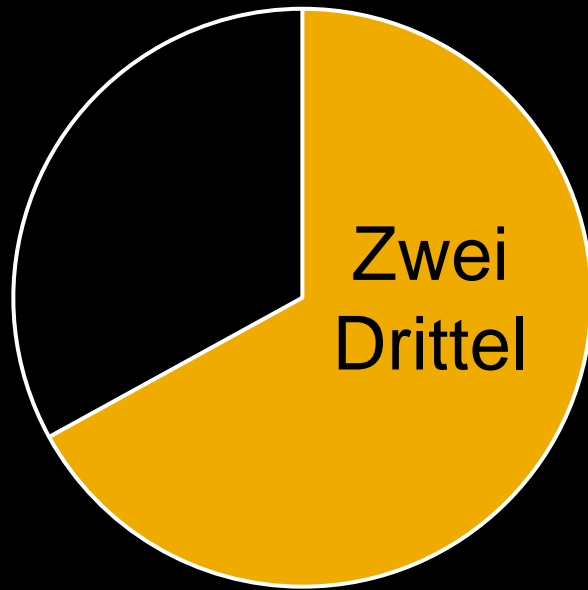
Supply Chain Resilienz



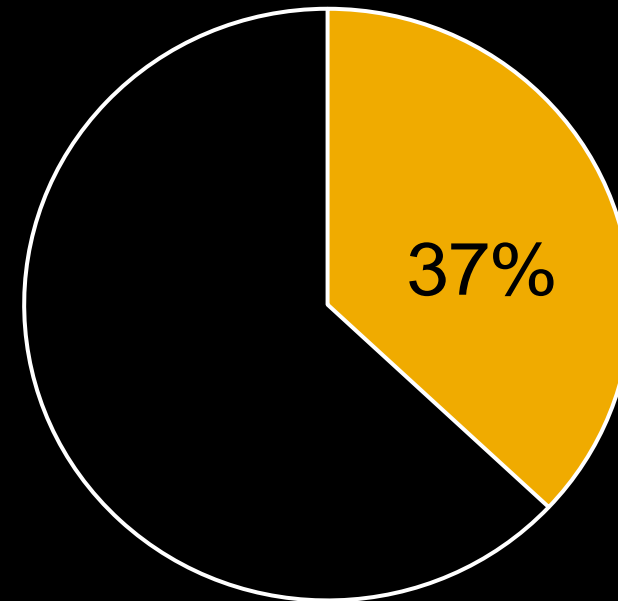
Nachhaltiges Wirtschaften



Nachhaltigkeit kann **vorteilhaft** sein – die Realität steht der Umsetzung jedoch oftmals im Weg



der Befragten sehen eine nachhaltige Lieferkette als Wettbewerbsvorteil



der Befragten empfinden die niedrigen Preiserwartungen ihrer Kunden als Hindernis für ihre Nachhaltigkeitsinitiativen



Unterbrochene Lieferketten & Umsatzausfälle

„Die Lieferkettenprobleme machen sich wieder stärker bemerkbar, beispielsweise in Folge der Schließung des Hafens von Schanghai.“

Dr. Ralph Wiechers, VDMA-Chefvolkswirt

- 4%

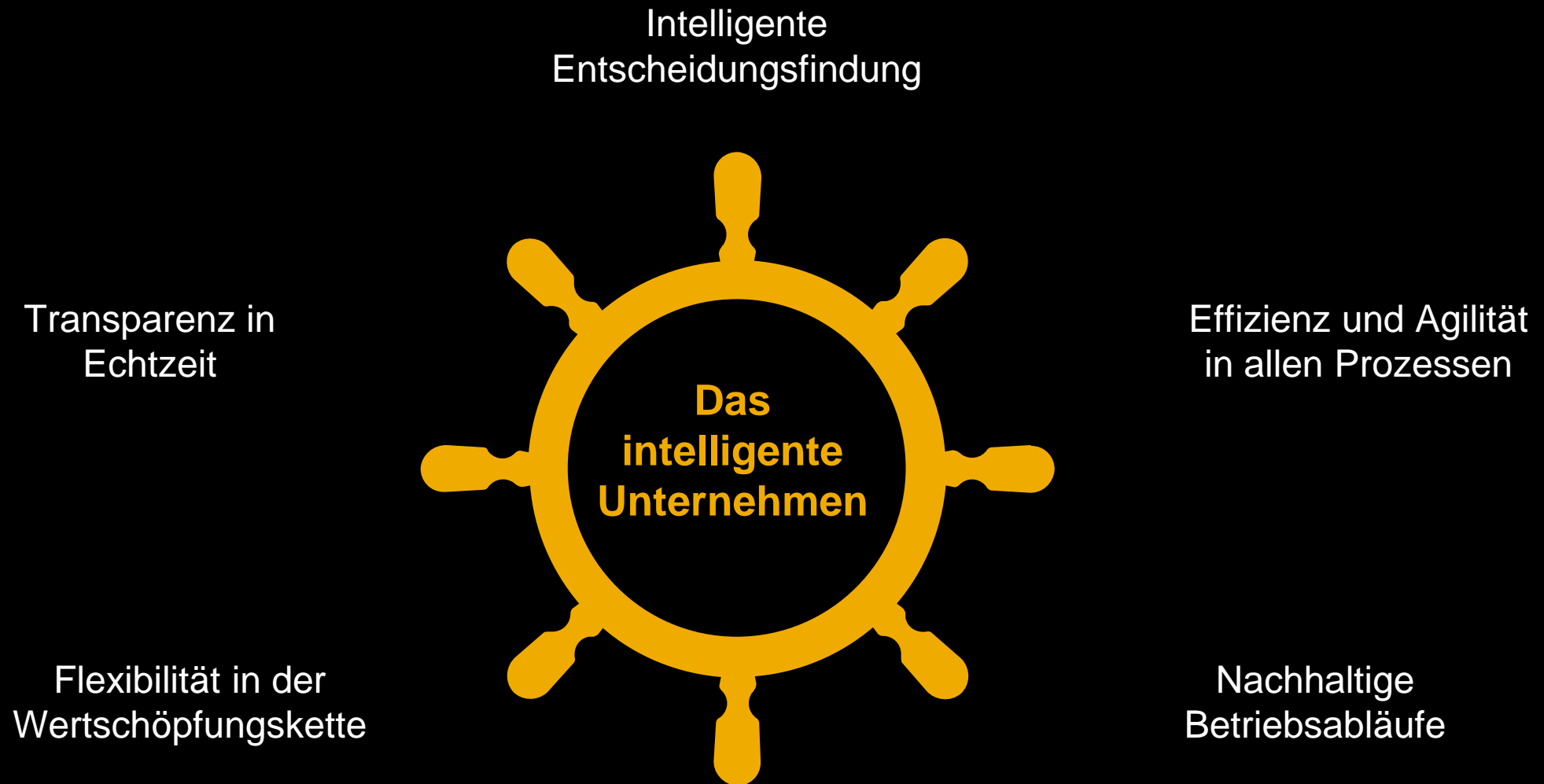
Auftragseingang im **deutschen**
Maschinen- und Anlagenbau im März
2022 im Vergleich zum Vorjahr

VDMA 2022

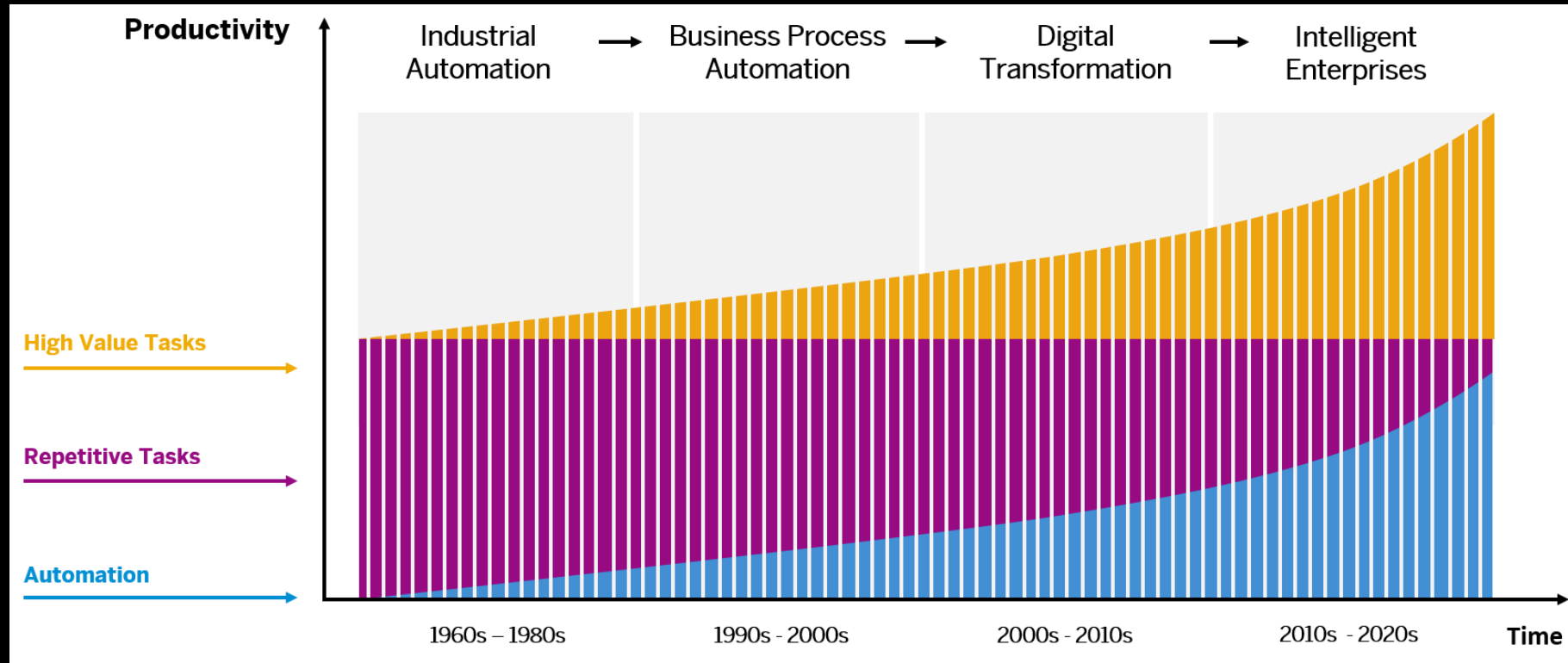


Balance finden

Voraussetzungen für das **Aussteuern** unterschiedlicher Zielrichtungen



Intelligente Unternehmen ermöglichen es Menschen, sich auf wertschöpfende Tätigkeiten zu fokussieren

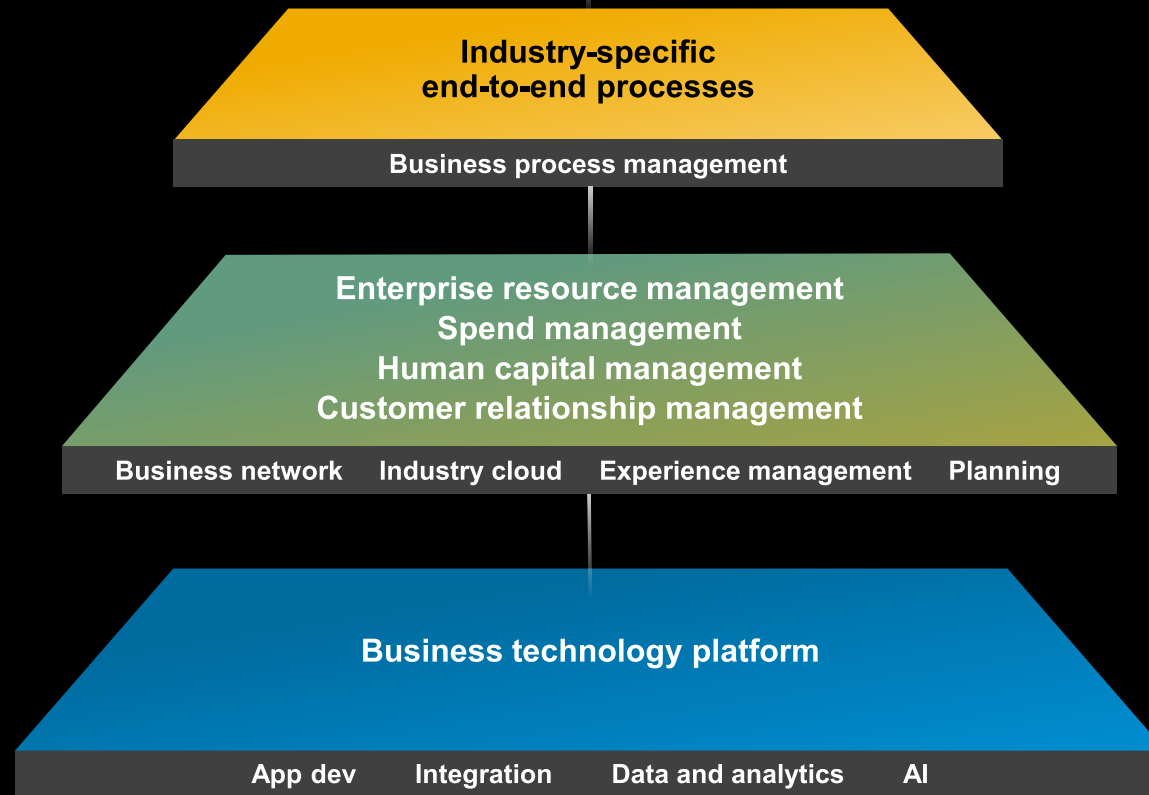


Intelligenz ist die Fähigkeit, aus Erfahrungen zu lernen, Probleme zu antizipieren und Wissen einzusetzen, um sich an neuen Situationen anzupassen.

Intelligent, sustainable enterprise

Optimierung

Stabiles und verlässliches Fundament, um end-to-end Prozesse so effizient und effektiv wie möglich abzuwickeln



Transformation

Agile und flexible platform für schnelle Innovationen in den Bereichen, wo Differenzierung einen Wettbewerbsvorteil ermöglicht

Optimierung

Intelligent, sustainable enterprise

Transformation

Industry-specific end-to-end processes

Business process management

Design

Receive customer feedback – define **requirements** and **system concept** for new/changed product.



Create **product design** and maintain master data for new/changed product.



Handover to manufacturing and service to manage BOM and Routing.

Plan **demand** for new/changed components.



Plan **supply** for new/changed components.

Create master **production schedule**.

Procure

Procure **components** to build subassemblies.



Manage and track inbound delivery.

Receive procured components into warehouse.



Schedule subassembly production.



Produce subassemblies and track progress.



Receive subassemblies into warehouse.



Sell

Receive customer **sales order**. (**Assemble to Order**)

Schedule finished product production.



Produce finished product and track progress.

Register serialized finished product.



Receive finished product into warehouse.



Plan transport, pick, pack and load product for **delivery**.



Perform & track **outbound transportation** and receive proof of delivery.

Manufacture (Finished Product)

Deliver

Operate

Receive asset master data and **on-board** asset.

Monitor assets with IoT data, perform analysis, **predict** asset failure.

Plan asset maintenance.



Perform inspection, **maintenance** and repair.



Request **product improvement**.

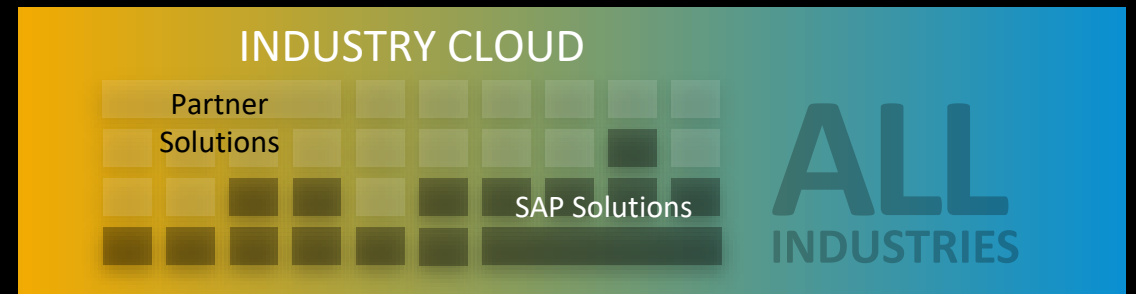
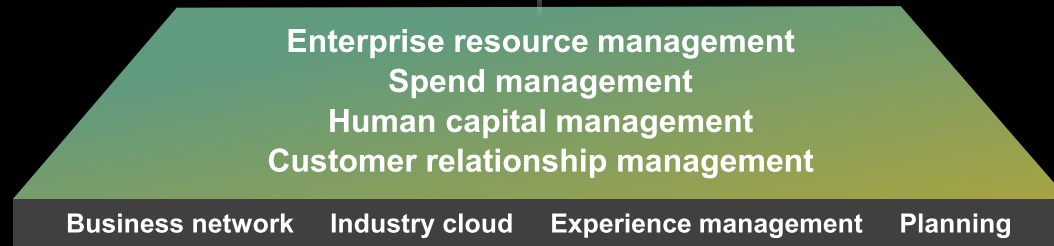
De-commission asset.

Intelligent, sustainable enterprise



Optimierung

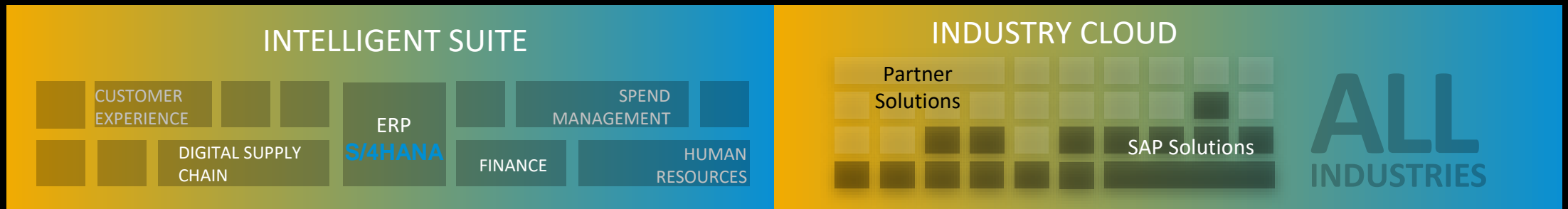
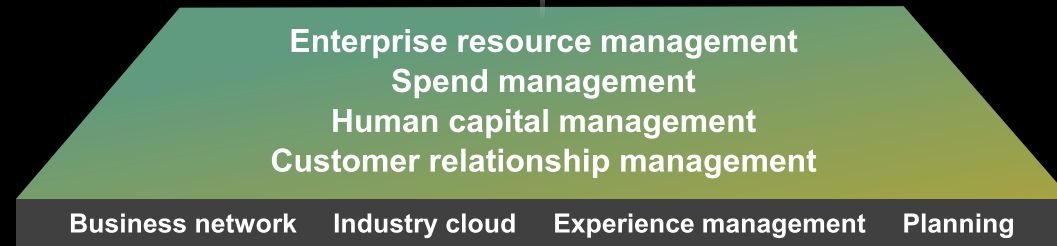
Transformation



Intelligent, sustainable enterprise

Optimierung

Transformation



Intelligent, sustainable enterprise



Optimierung

Transformation



Kundenspezifische Erweiterungen



Hybride IT-Landschaften



Spezifische, übergreifende Analysen



Eigene Use Cases mit intelligenten Technologien

Profitabilität, Resilienz und Nachhaltigkeit aussteuern



Ausbalancieren verschiedener Zielgrößen im SAP Simulation Game

The screenshot displays the SAP Simulation Game interface for 'Sustainability Standard - Energy Drinks'. The top navigation bar includes '1 Simulation Overview', '2 Sales', '3 Logistics', '4 Finance', '5 Planning & Procurement', and '6 Advanced Analytics/WebGUI'. The '2 Sales' tab is active, showing a grid of dashboards:

- Sales Overview**: Dashboard with a list icon and a checkmark.
- Prices and Inventory Predictive Stockout**: Dashboard with a price tag icon.
- Sales Trend**: Line chart showing sales from 01/01 to 01/10, with values 24.5K and 0. Includes a 'now' refresh button.
- Inventory Trend (S)**: Line chart showing inventory from 01/00 to 01/10, with values 3K and 553. Includes a 'now' refresh button.
- Geospatial Analytics**: Dashboard with a globe icon.

The '3 Logistics' tab is also visible, showing a grid of dashboards:

- Logistics Overview**: Dashboard with a list icon and a checkmark.
- Stock Transfer Planning**: Dashboard with a truck icon.
- Inventory Levels (D)**: Table showing inventory levels for Main Warehouse (0), South (157), and North (158). Includes a 'now' refresh button.
- Inventory Trend (D)**: Line chart showing inventory from 01/00 to 01/10, with values 3K and 553. Includes a 'now' refresh button.
- Outbound Delivery Quantities Levels**: Table showing quantities for EE-T01/Extreme (1.96K), EE-T03/Extreme (1.25K), and EE-T05/Organic Z... (636). Includes a 'now' refresh button.
- Goods Movements Tracking**: Table showing movements for GR - Goods Rece... (5.98K), GD - Goods Issu... (5.43K), and TF - Transfer Plan... (3.3K). Includes a 'now' refresh button.

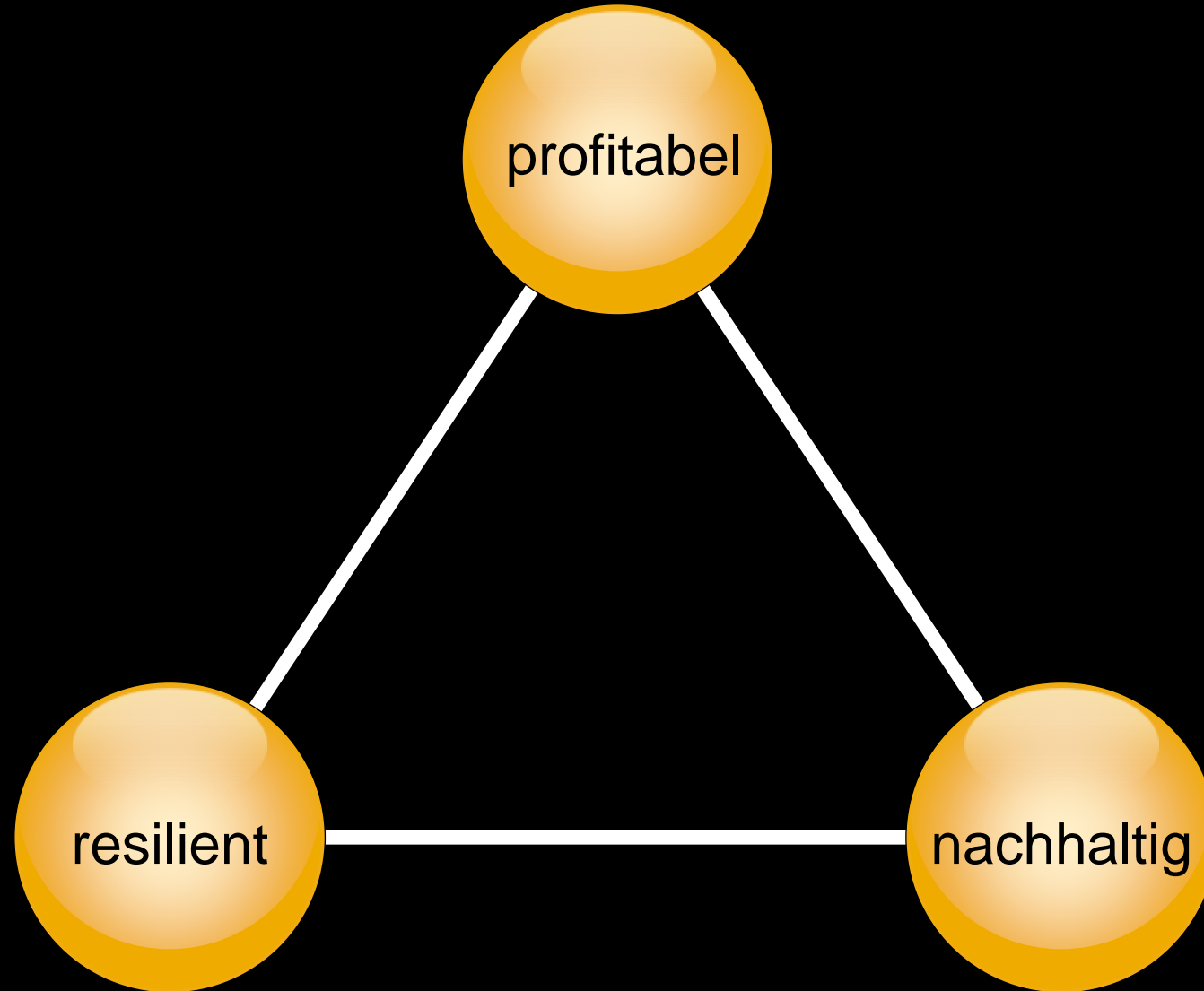
The '4 Finance' tab is also visible, showing a grid of dashboards:

- Finance Overview**: Dashboard with a list icon and a checkmark.
- Balance Sheet/Income Statement**: Dashboard with a balance sheet icon.
- Net Profit / Loss (by Day) Trend**: Line chart showing net profit/loss from 01/01 to 01/10, with values 4.78K and 0. Includes a 'now' refresh button.
- Product Footprint Management Analytics**: Dashboard with a globe icon.

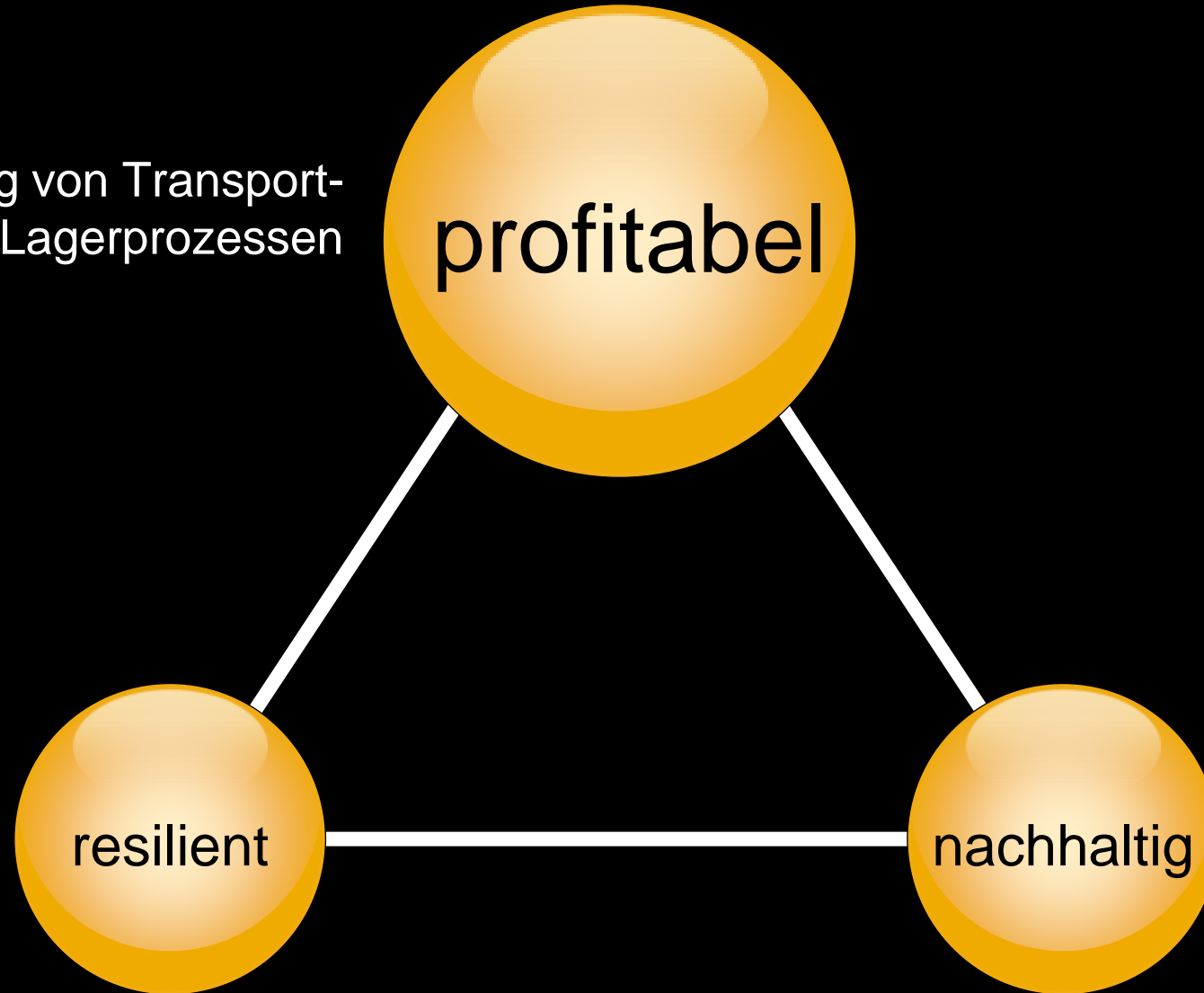
The '5 Planning & Procurement' tab is also visible, showing a grid of dashboards:

- Planning Overview**: Dashboard with a list icon and a checkmark.
- Procurement Overview**: Dashboard with a list icon and a checkmark.
- Inventory Levels (P)**: Table showing inventory levels for Main Warehouse (0), South (157), and North (158). Includes a 'now' refresh button.
- Inventory Trend (P)**: Line chart showing inventory from 01/00 to 01/10, with values 3K and 553. Includes a 'now' refresh button.
- Outbound Delivery Quantities Levels**: Table showing quantities for EE-T01/Extreme (1.96K), EE-T03/Extreme (1.25K), and EE-T05/Organic Z... (636). Includes a 'now' refresh button.
- Goods Movements Tracking**: Table showing movements for GR - Goods Rece... (5.98K), GD - Goods Issu... (5.43K), and TF - Transfer Plan... (3.3K). Includes a 'now' refresh button.

A large 'ERPsim' logo is overlaid on the right side of the screenshot.



Kosten-Optimierung von Transport-
und Lagerprozessen



Logistik-Optimierung zur Sicherung der Profitabilität

SAP Stock Transfer Paused - Round 02 / Day 01

Search 85%

Distribution Network - Inventory Levels

Main Warehouse - Inventory

EE-T01/Extreme Punch	0
EE-T02/Extreme Buzz	0
EE-T03/Extreme Bolt	0
EE-T04/Organic Vivacity	0
EE-T05/Organic Zest	0
EE-T06/Organic Sparkle	0

North - Inventory

EE-T01/Extreme Punch	0
EE-T02/Extreme Buzz	0
EE-T03/Extreme Bolt	150
EE-T04/Organic Vivacity	8
EE-T05/Organic Zest	0
EE-T06/Organic Sparkle	0

North - Customer Sales

EE-T01/Extreme Punch	300
EE-T02/Extreme Buzz	107
EE-T03/Extreme Bolt	150
EE-T04/Organic Vivacity	117
EE-T05/Organic Zest	185
EE-T06/Organic Sparkle	138

South - Inventory

EE-T01/Extreme Punch	150
EE-T02/Extreme Buzz	7
EE-T03/Extreme Bolt	0
EE-T04/Organic Vivacity	0
EE-T05/Organic Zest	0
EE-T06/Organic Sparkle	0

South - Customer Sales

EE-T02/Extreme Buzz	100
EE-T03/Extreme Bolt	300
EE-T04/Organic Vivacity	118
EE-T05/Organic Zest	184
EE-T06/Organic Sparkle	138

West - Inventory

EE-T01/Extreme Punch	0
EE-T02/Extreme Buzz	0
EE-T03/Extreme Bolt	150
EE-T04/Organic Vivacity	0
EE-T05/Organic Zest	50
EE-T06/Organic Sparkle	38

West - Customer Sales

EE-T01/Extreme Punch	300
EE-T02/Extreme Buzz	106
EE-T03/Extreme Bolt	150
EE-T04/Organic Vivacity	123
EE-T05/Organic Zest	133
EE-T06/Organic Sparkle	100

Stock Transfer Planning

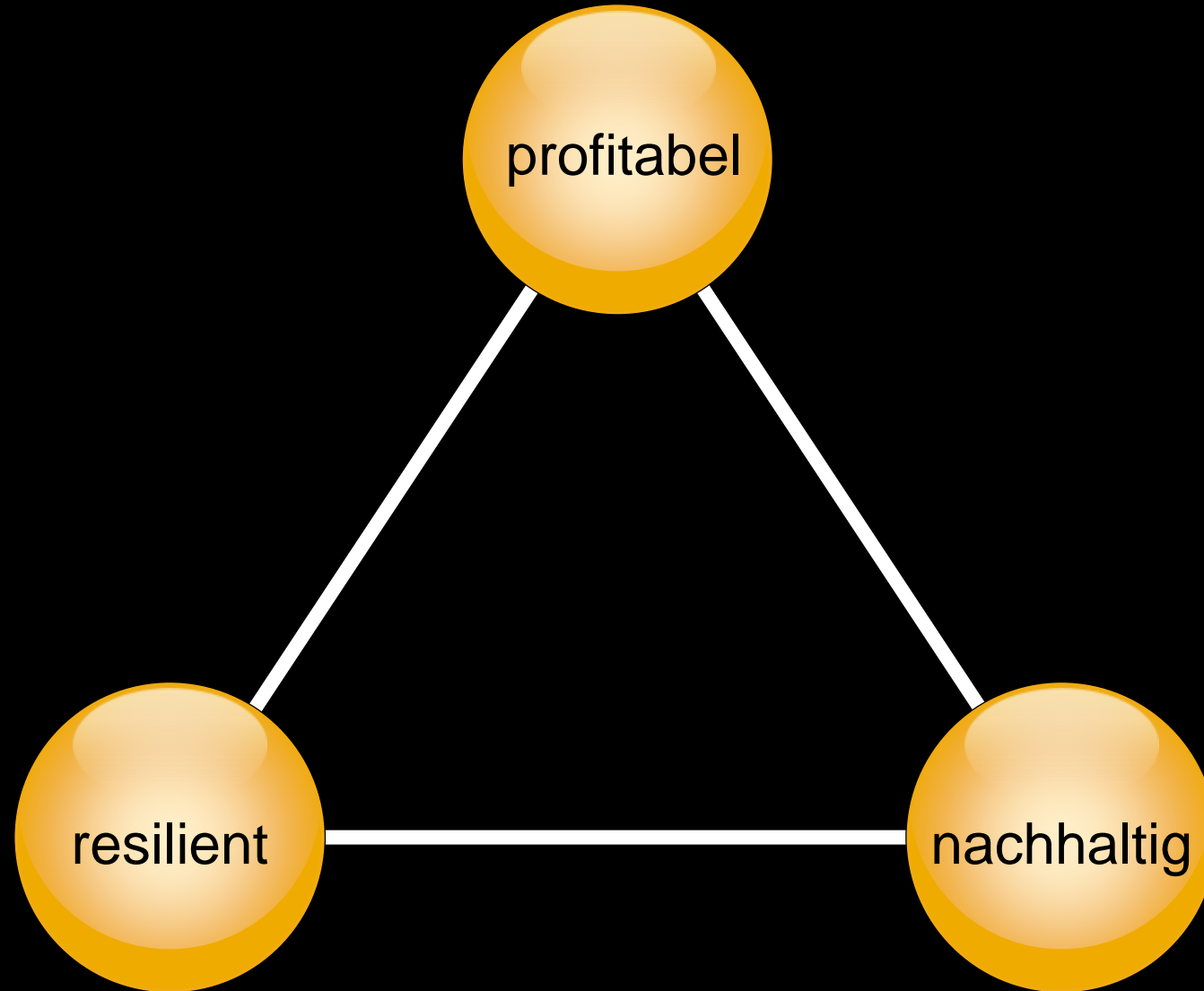
Sales From Main Warehouse: YES

Scheduling: days

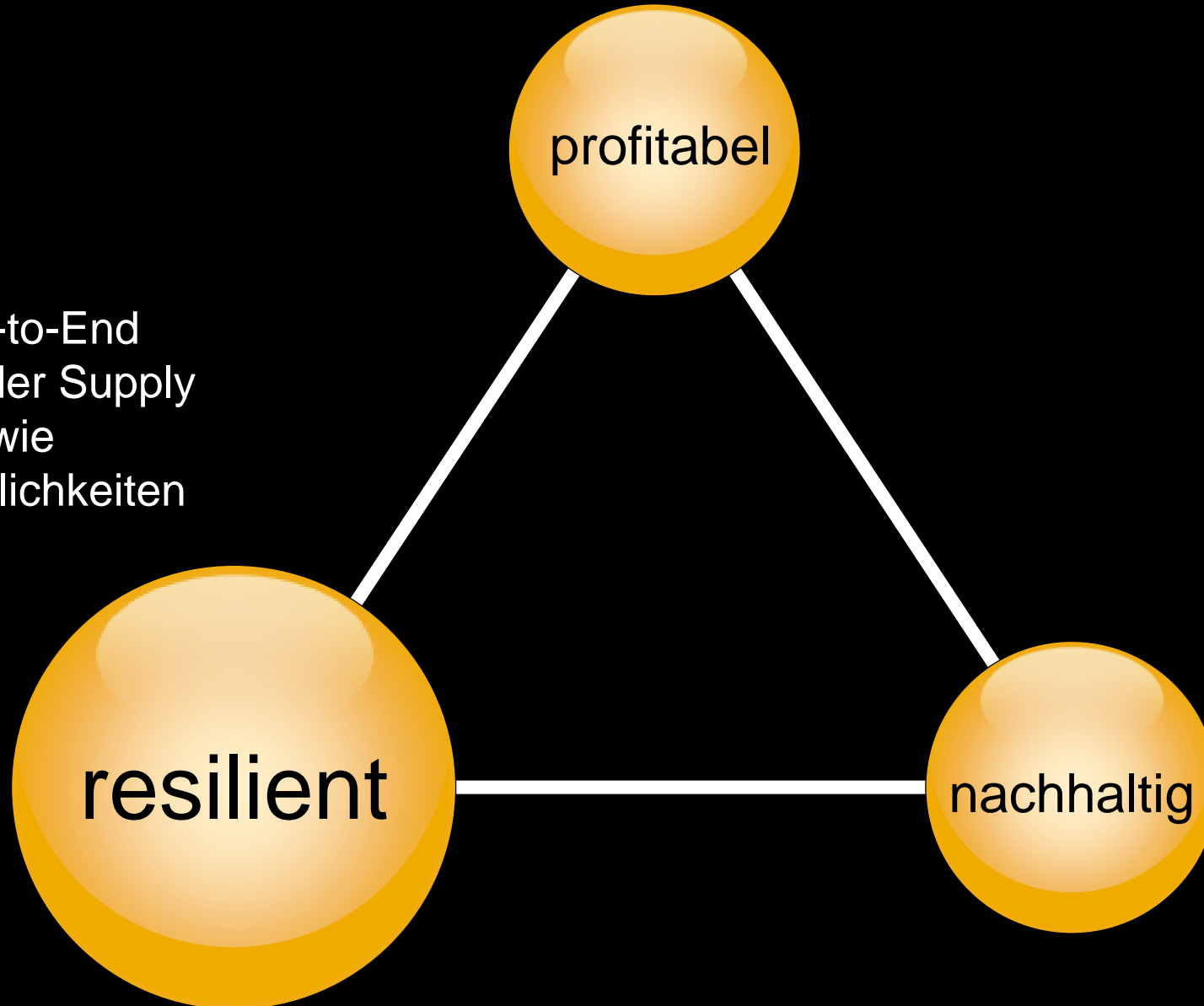
The quantities below indicate the target inventory you wish to maintain for each product in each region. For further details, please see FAQ.

North	South	West
EE-T01/Extreme Punch: <input type="text" value="150"/>	EE-T01/Extreme Punch: <input type="text" value="150"/>	EE-T01/Extreme Punch: <input type="text" value="150"/>
EE-T02/Extreme Buzz: <input type="text" value="150"/>	EE-T02/Extreme Buzz: <input type="text" value="150"/>	EE-T02/Extreme Buzz: <input type="text" value="150"/>
EE-T03/Extreme Bolt: <input type="text" value="150"/>	EE-T03/Extreme Bolt: <input type="text" value="150"/>	EE-T03/Extreme Bolt: <input type="text" value="150"/>
EE-T04/Organic Vivacity: <input type="text" value="150"/>	EE-T04/Organic Vivacity: <input type="text" value="150"/>	EE-T04/Organic Vivacity: <input type="text" value="150"/>
EE-T05/Organic Zest: <input type="text" value="150"/>	EE-T05/Organic Zest: <input type="text" value="150"/>	EE-T05/Organic Zest: <input type="text" value="150"/>
EE-T06/Organic Sparkle: <input type="text" value="150"/>	EE-T06/Organic Sparkle: <input type="text" value="150"/>	EE-T06/Organic Sparkle: <input type="text" value="150"/>

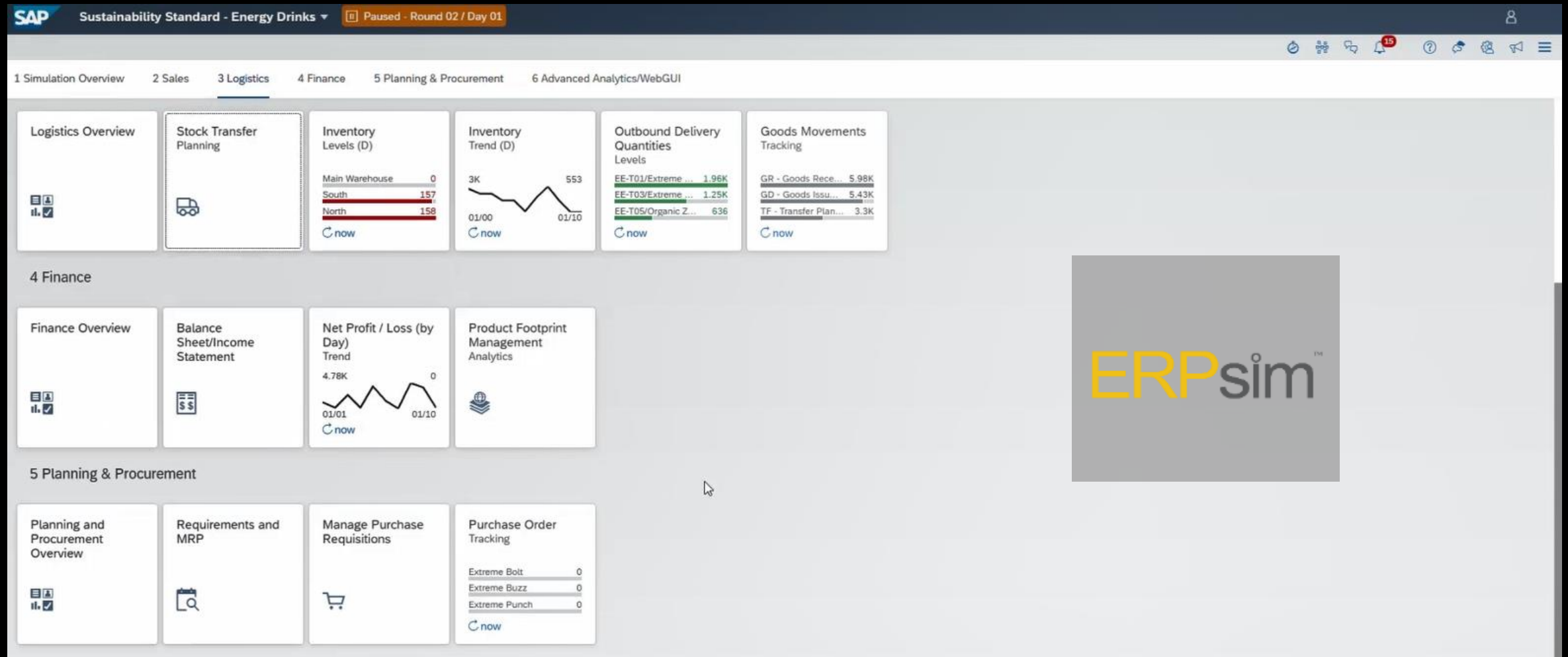


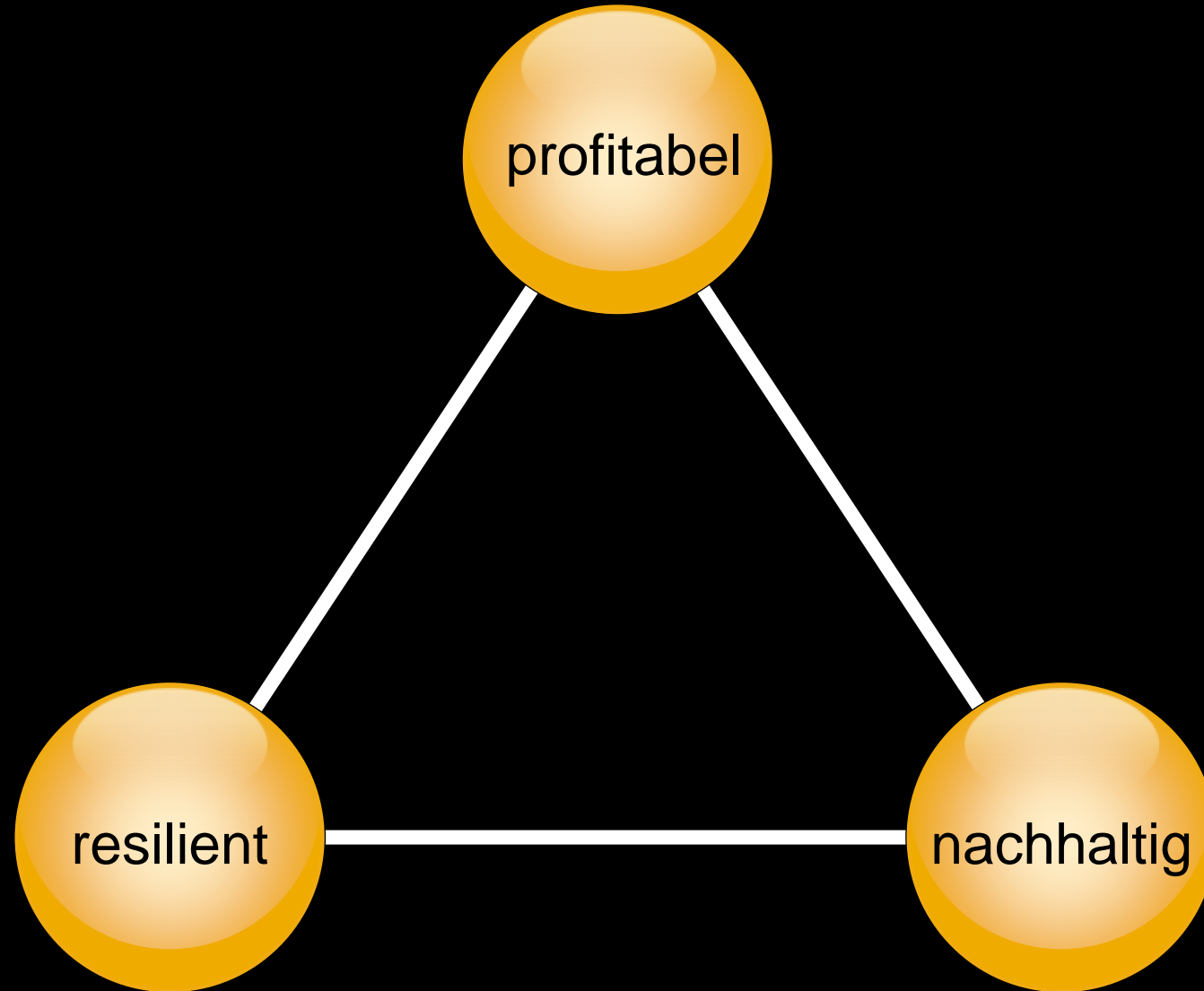


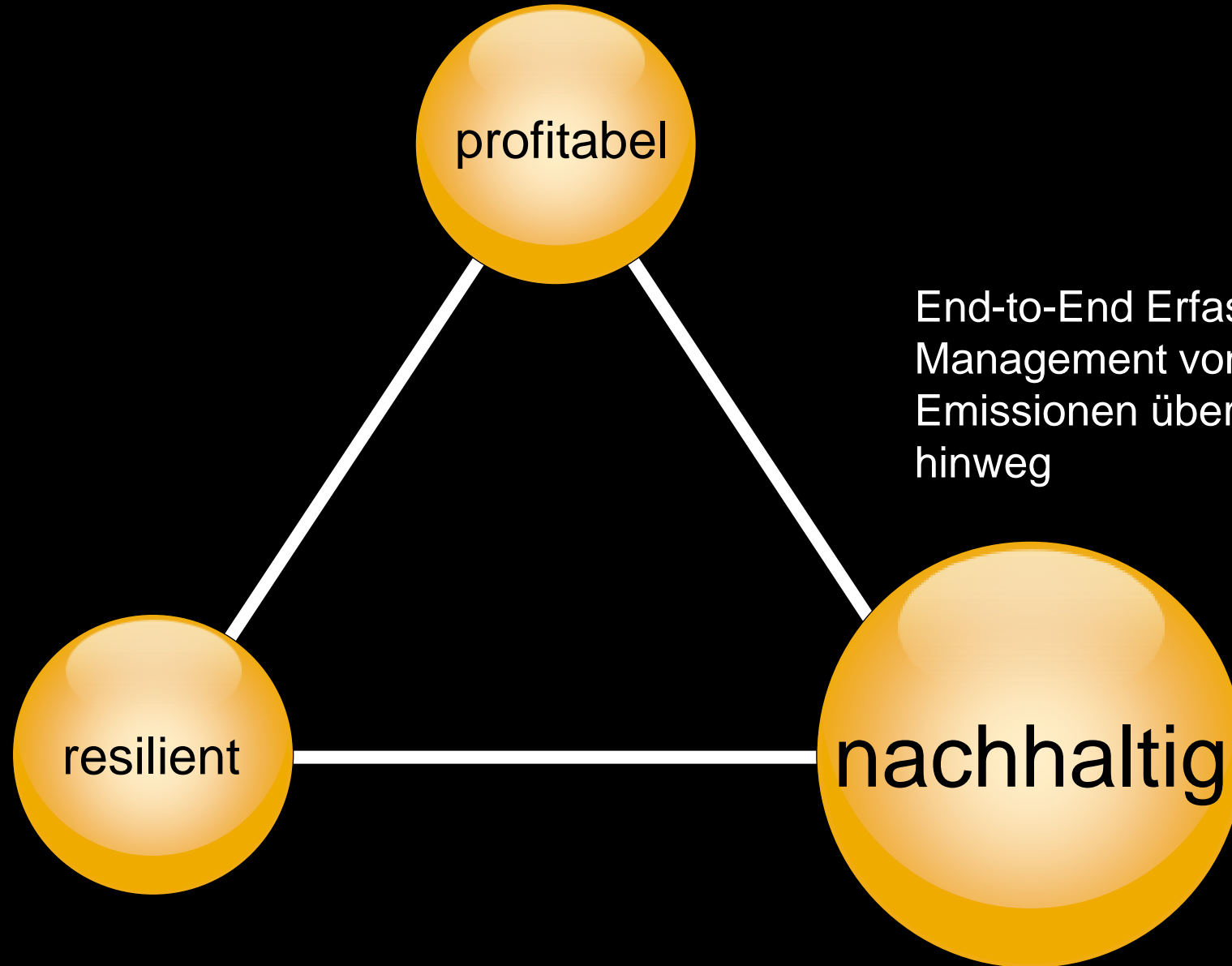
Echzeit-, End-to-End
Transparenz in der Supply
Chain sowie
Simulationsmöglichkeiten



Echtzeit-Tracking und Monitoring ermöglichen schnelle Reaktion auf Ereignisse für eine resiliente Supply Chain

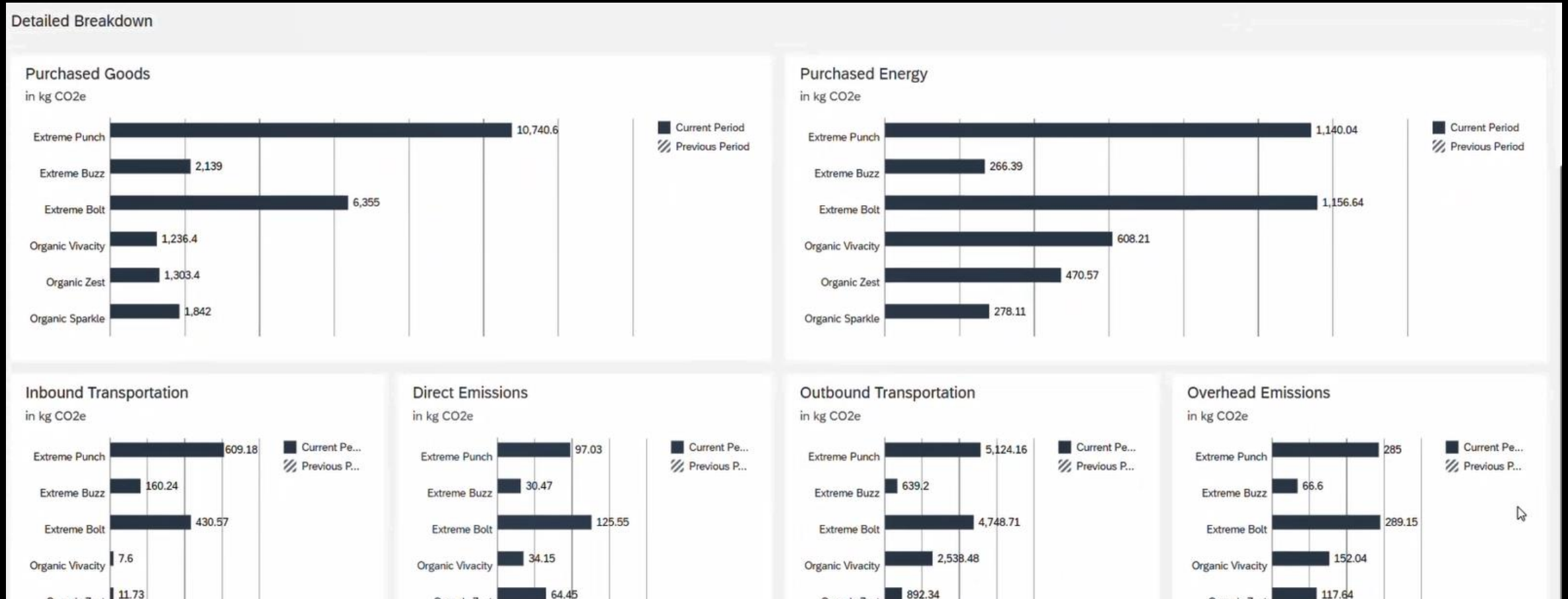






End-to-End Erfassung und
Management von CO2
Emissionen über alle Prozesse
hinweg

Detaillierte Product Footprint Analysen als Voraussetzung für aktive Steuerung von CO2-Emissionen





Gemeinsam loslegen

Join our Sustainability Simulation Game

Spielt verschiedenen Rollen als Produzent von Energy Drinks und erlebt das **SAP S/4HANA System** ganz direkt

REAL GAME
PLAY



Datum
23.09.2022



Dauer:
3 Stunden



Team Größe:
3-4 Personen



Gewinner
bekommen einen
Preis

Kontakt

Mehr Infos bei Sandra Maus

E-Mail: sandra.maus@sap.com



Danke.

Kontakt:

Dr. Sandra Maus

sandra.maus@sap.com

THE BEST RUN 