



The beginning of better.

The Autonomous Enterprise:

Redefining Logistics with SAP



Help me mitigate this distribution center disruption



Summary

XYZ Supplier • Distribution center

Actions taken:

1. We have run a new planning scenario and recommended using an alternative supplier, ACME Corp

Next steps:

1. Please confirm you wish to proceed with the order



Manuel Flubacher

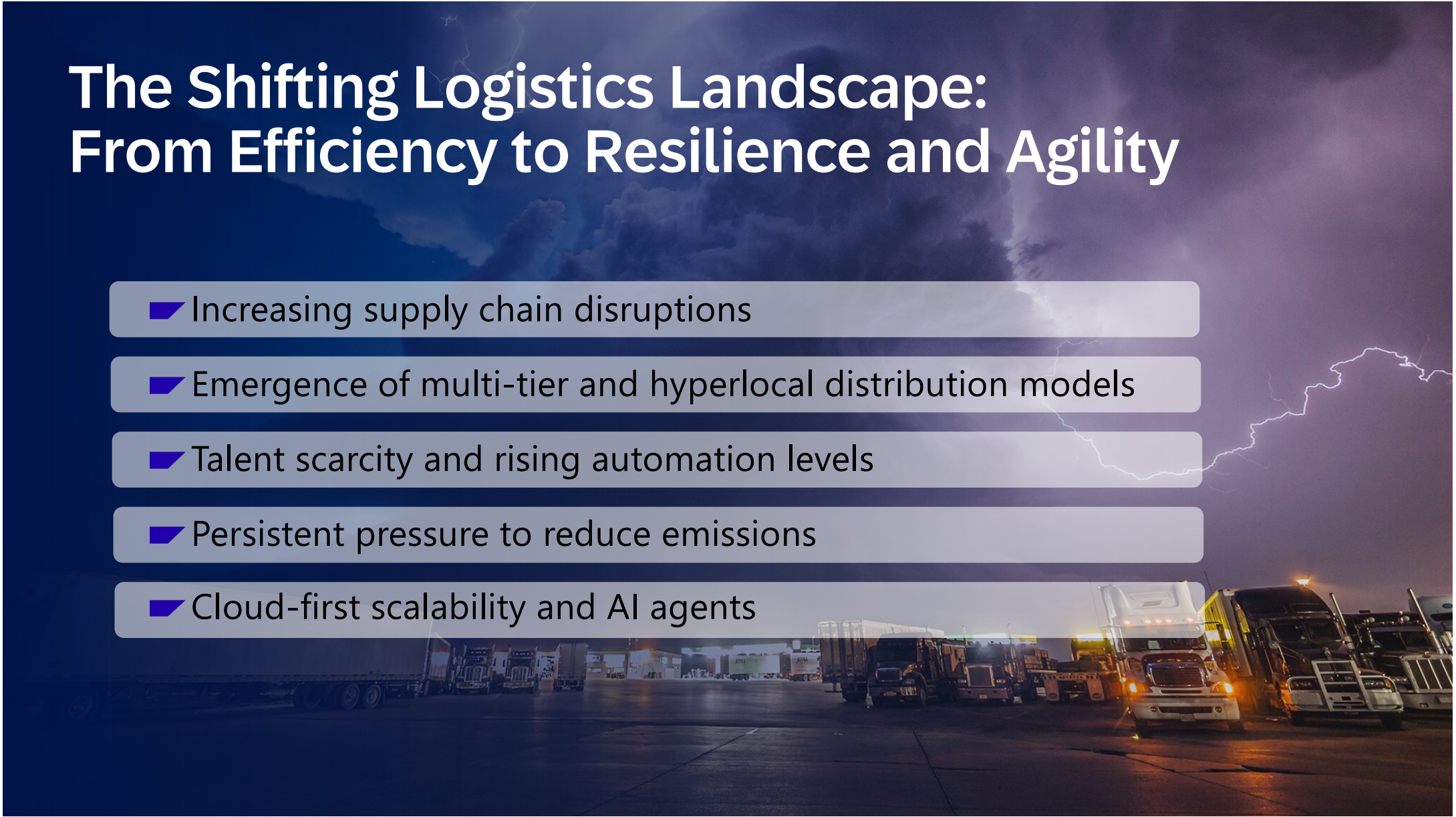
Global Domain Advisor Logistics

manuel.flubacher@sap.com



The Shifting Logistics Landscape: From Efficiency to Resilience and Agility

- Increasing supply chain disruptions
- Emergence of multi-tier and hyperlocal distribution models
- Talent scarcity and rising automation levels
- Persistent pressure to reduce emissions
- Cloud-first scalability and AI agents



Technology Evolution: Three Generations of SAP Logistics Solutions

Generation 1: Logistics in ERP

ECC Logistics Execution
Warehouse Management
(WM) & Transportation
Mgmt. (TRA)



Generation 2: Advanced Logistics

Business Suite Extended
Warehouse Management
(EWM) and Transportation
Management (TM)



Generation 3: Cloud, network and AI-driven Logistics

S/4HANA Extended
Warehouse Management
(EWM) and Transportation
Management (TM) +

Logistics Management



Strategic Framework: Matching Solutions to Supply Chain Complexity



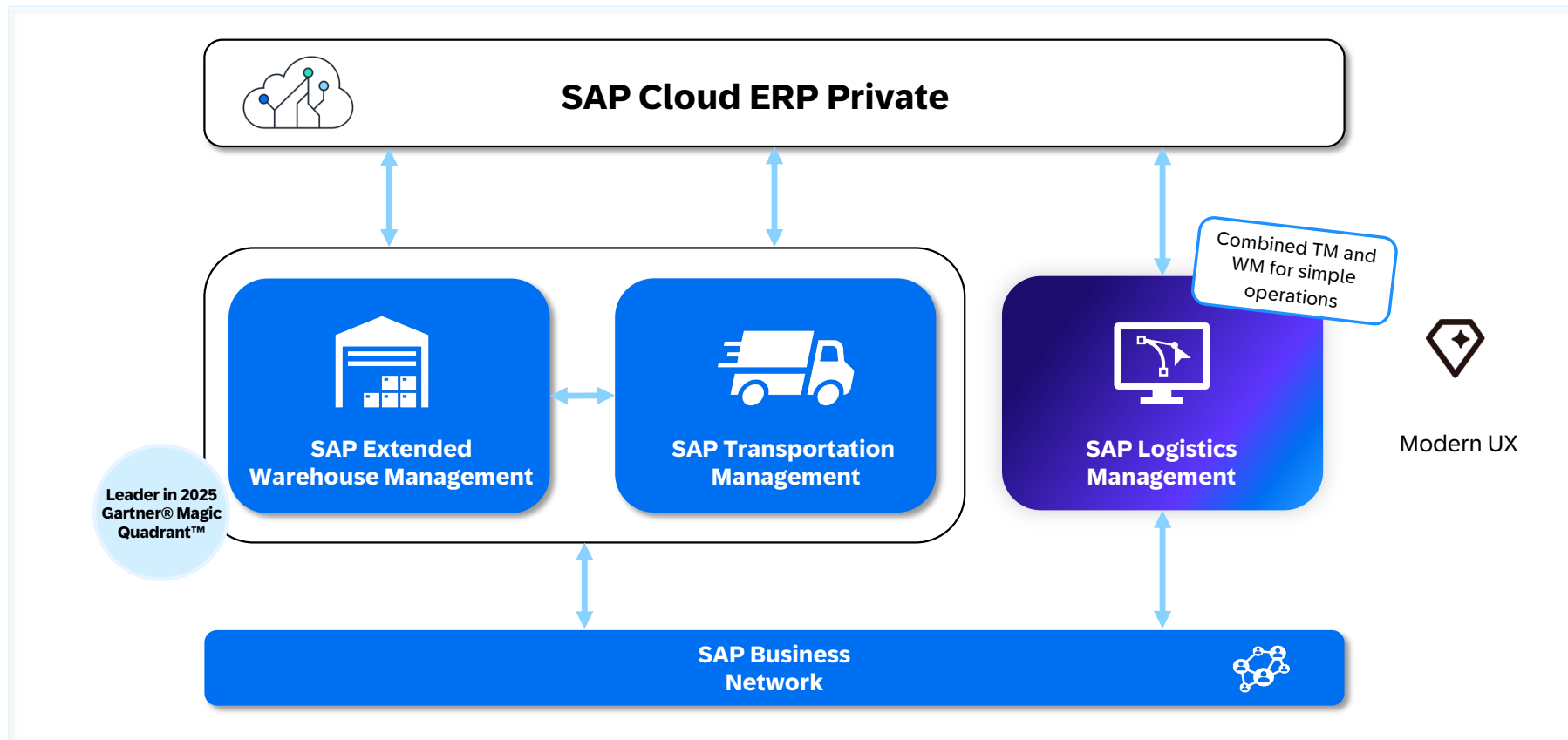
Basic to
Moderate
Complexity



Advanced and
Highly
Automated

The foundation of your logistics suite

Enhancing your current processes for greater visibility



INTERNAL – SAP & Bohus Only

Standard Integration



#1

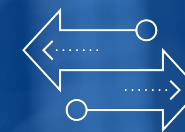


SAP rated as a Leader by Gartner and IDC in WMS and TMS

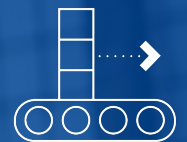
Growing number of customers



Strong ecosystem

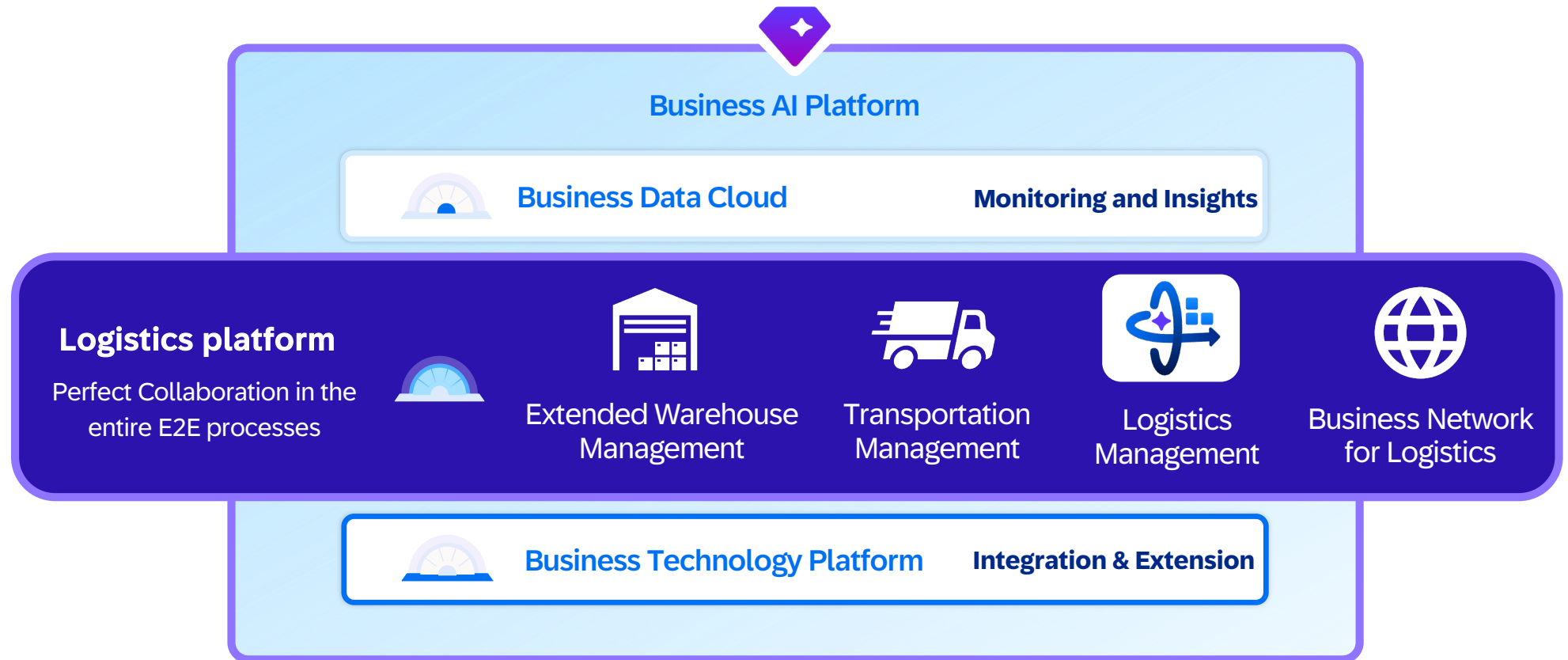


More than 27 industries



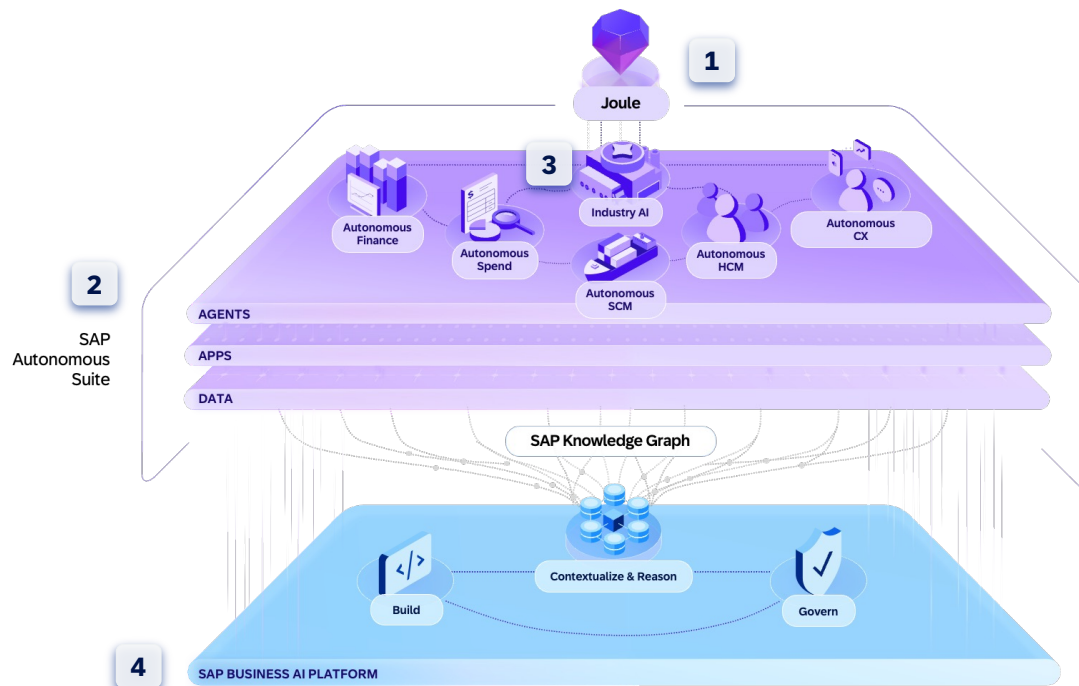
Holistic platform for logistic

Supercharged by SAP Business Suite

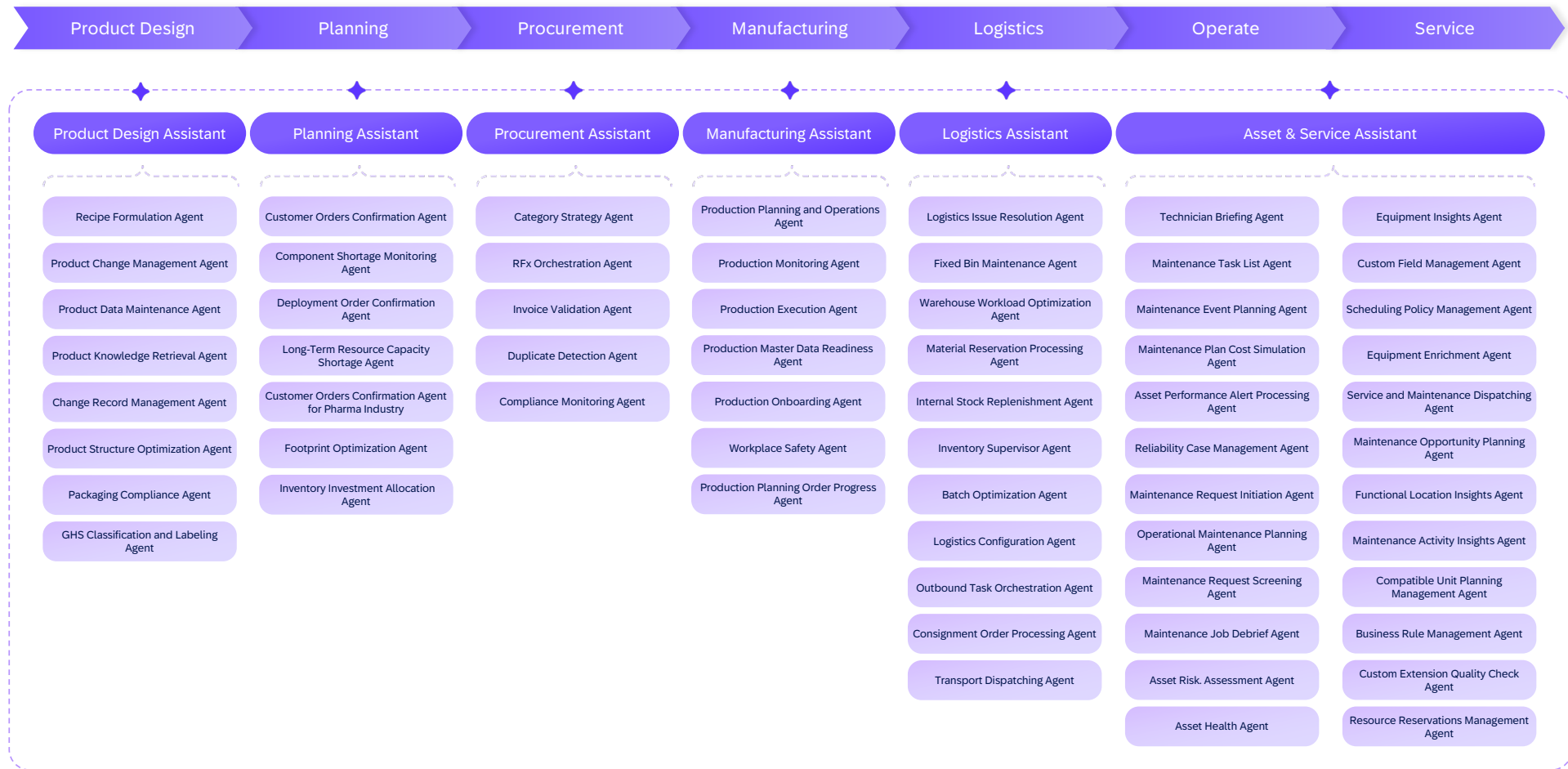


AI in Logistics

The Autonomous Enterprise



- 1** **Joule** as the new engagement layer, bringing together data, workflows, and agents across SAP systems and beyond
- 2** **SAP Autonomous Suite** to reinvent how enterprises run, based on AI assistants and agents executing work E2E
- 3** **Industry AI applications** with built-in vertical process knowledge, data models, and regulatory logic
- 4** **SAP Business AI platform** delivering business context, unified data, models, and enterprise-grade governance





Inventory Manager
Jonas

- Inventory Supervisor Agent
- Batch Optimization Agent
- Material Reservation Processing Agent



Logistics Clerk
Rupert Koines

- Internal Stock Replenishment Agent
- Outbound Task Orchestration Agent
- Transportation Dispatching Agent



Warehouse Manager
Jess

- Warehouse Workload Optimization Agent
- Warehouse Outbound Optimization Agent



Administrator
Yoko Ishida

- Logistics Issue Resolution Agent



Warehouse Clerk
Richard

- Fixed Bin Maintenance Agent
- Consignment Order ASN Processing Agent



Business Process Specialist
Lisa Smith

- Logistics Configuration Agent



Administrator
Yoko Ishida

Logistics Issue Resolution Agent

Autonomous Troubleshooting

Works with:

PuC

PCE

LGM

Detects, heals and resolves issues so warehouses run 24/7

The **Logistics Issue Resolution Agent** autonomously monitors integration issues between SAP Logistics Management and SAP S/4HANA, applies self-healing counter-measures and notifies the Administrator when manual intervention is required; including root cause analysis and suggested next steps.

✦ Detects

✦ Analyses

✦ Resolves

✦ Verifies and Notifies

NEED

Monitor Logistical Demands for integration issues around the clock

Understand the issue root cause and decide what corrective action is needed

Create and activate the right replication variant + schedule a job to resolve the issue

Confirm the fix worked and reload the Logistical Demand

AGENT

Continuously scans "Logistics Management <> S/4HANA" integrations failures

Identifies the error type, determines root cause and selects the appropriate counter-measures

Automatically creates and activates a replication, including a scheduled job, to heal the missing/inconsistent data

Validates the resolution, reloads the Logistical Demand and notifies the user with a summary

*PuC: SAP S/4HANA Cloud, Public Edition; PCE: SAP S/4HANA Cloud, Private Edition; LGM: SAP Logistics Management



Logistics Assistant

Lab Preview



Administrator
Yoko Ishida

Logistics Issue Resolution Agent

Autonomous Troubleshooting

Works with:

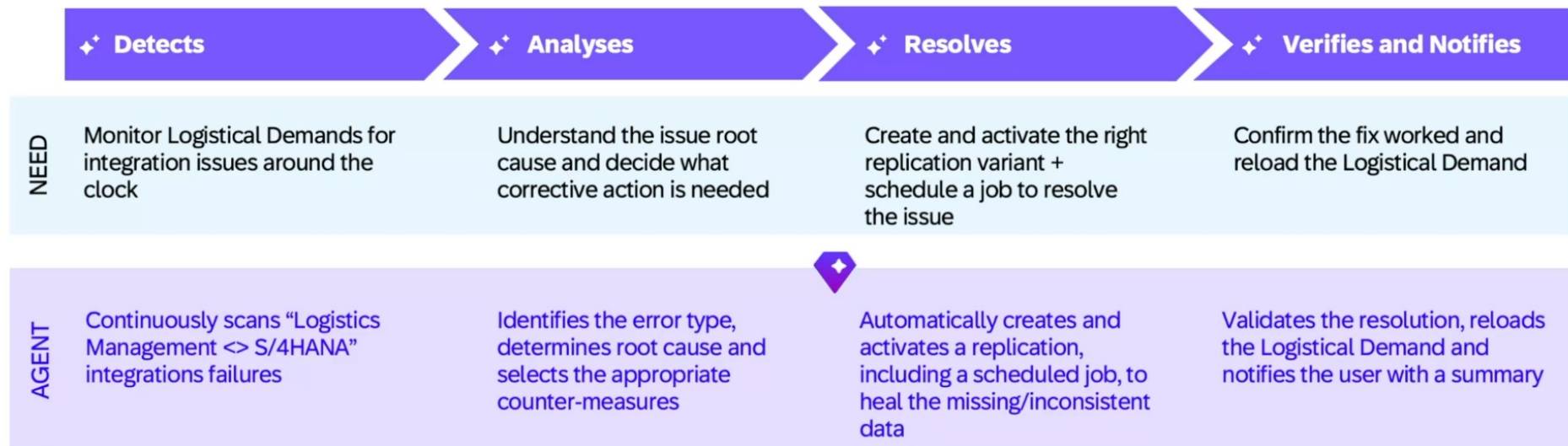
PuC

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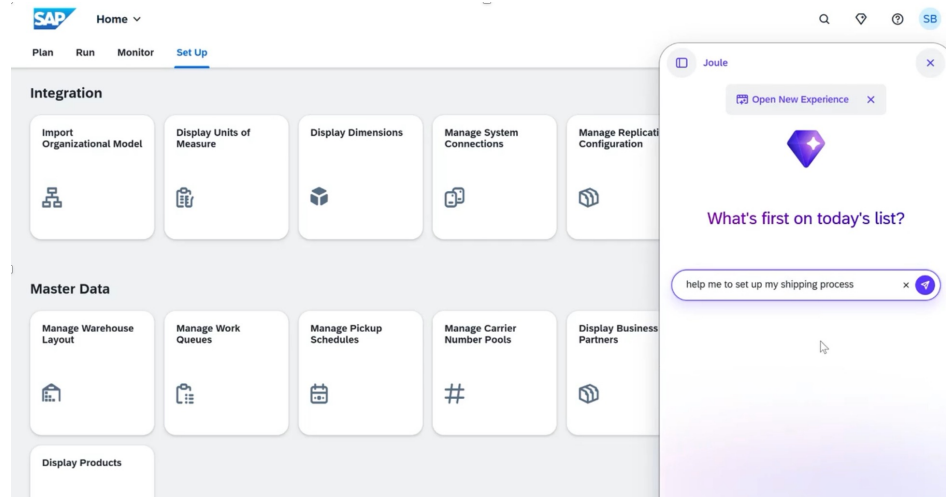


Lisa
Business Process Specialist

*"I need guidance to transform our **logistics business requirements into system configurations** for e.g., shipping processes, minimizing manual effort and set-up time."*



Lisa
Business Process Specialist



Logistics Configuration Agent

✦ Guided Configuration

✦ Less User Training

✦ Review & Confirm

✦ Automated Setup



Business Process Specialist
Lisa Smith

Logistics Configuration Agent

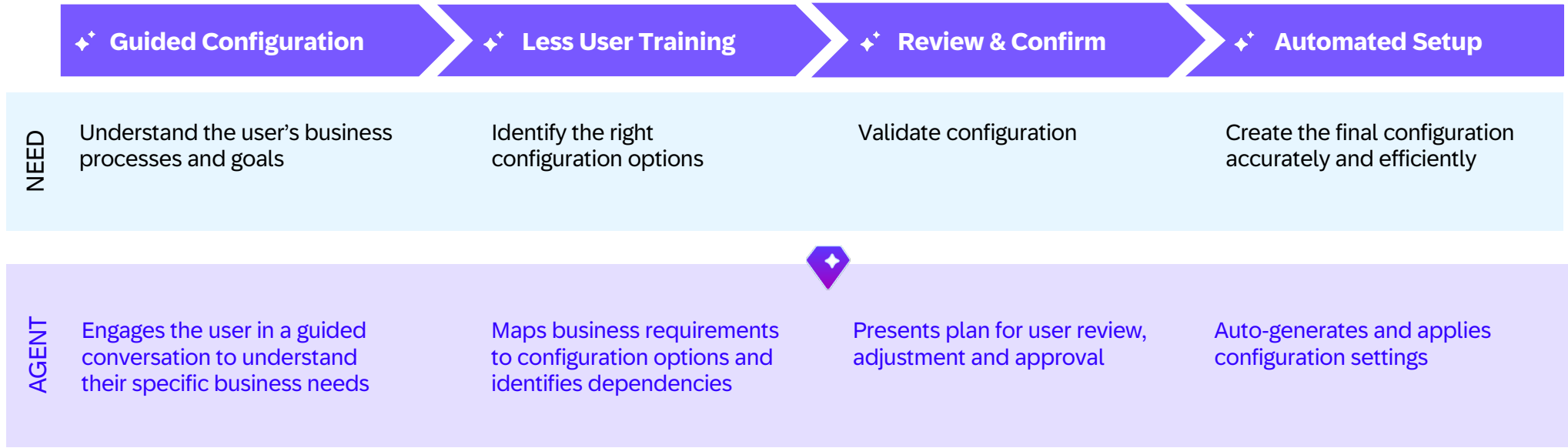
Simple System Setup

Works with:

LGM

Translate Business Needs Into System Configuration

The **Logistics Configuration Agent** simplifies and streamlines the system configuration for the logistics processes. Instead of navigating to multiple interfaces, users describe their requirements in natural language and are guided step by step through all relevant configuration topics. Then, the agent automatically translates the collected requirements into system configuration.



*PuC: SAP S/4HANA Cloud, Public Edition; PCE: SAP S/4HANA Cloud, Private Edition; LGM: SAP Logistics Management



SB



Welcome to the SAP Logistics Management Setup Assistant

I help you configure your outbound transport process, covering:

- **Processing variants** — defining how each shipping scenario is handled
- **Carrier determination** — setting up rules for automatic carrier assignment
- **Pickup schedules** — configuring regular carrier pickup times
- **Business rules** — determining which scenario applies based on order characteristics

How would you like to proceed?

1. **Start Step-by-Step Interview** — I'll walk you through each shipping scenario one at a time, configuring everything interactively.
2. **Show Configuration Overview** — See what will be configured before starting the interview.
3. **Generate Workshop Questionnaire** — Get a structured questionnaire to collect all required input in a workshop setting.

Start Step-by-Step Interview

Show Configuration Overview

Generate Workshop Questionnaire



Message Joule...



Joule uses AI. Verify results.



Warehouse Manager
Jess

Warehouse Workload Optimization Agent

Optimize resource to today's workload demand

Works with:

PCE

LGM

Facilitate optimal resource allocation, inform of potential resource shortage

The **Warehouse Workload Optimization agent** helps warehouse clerks optimally allocate resources in the warehouse outbound areas and help prevent potential resource shortage based on predicted workload.

It evaluates current and workload forecast, and workload coverage by warehouse resources, and dynamically redistribute according to priority.

✦ Monitor workload forecast and resource coverage

✦ Proactive bottleneck detection

✦ Balance Workload

✦ Re-assign to Queues

NEED

Avoid repeating & reactive workload planning

Identify criticality of the resource shortage in outbound areas

Determine potential issue resolution plan

Trigger action to assign resources

AGENT

Check workload forecast for today based different outbound activity areas

Compare the forecast with executed workload, and current resource assignment

Simulate workload balance for critical activity areas to cover the potential bottlenecks

Re-assign free or surplus resources to the critical areas



✦ AI-generated video



Thank you.

Manuel Flubacher, Global Domain Advisor

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