

Customer Case: How Cleaning Industry Leader Tennant Prepares for SAP S/4HANA Migration

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SAPinsider

What We'll Cover

- Introduction
 - Tennant Company and insightsoftware
- Live Demonstration
 - How to enable business users to analyze and improve supply chain processes
- Customer Case
 - How Tennant utilizes the power of operational analytics and business intelligence
- Wrap-Up



Introduction: Richard den Ouden

Richard has over 25+ years of experience in research and development focused on SAP logistics and supply chain analytics, consultancy, account management and product marketing. As co-founder of Every Angle and the Angles for SAP solution, he is a trusted advisor to management and a growth-enabling key resource assisting organizations to maximize the value offered by Angles to existing and potential customers.

Richard's passion is to help companies improve their Supply Chain processes by using their SAP ERP data to analyze their operations, measure their KPIs, find bottlenecks, define underlying root cases and drive continuous improvement. He has completed 100+ successful projects at mid-sized companies and large multinationals globally.



History of Angles for SAP by insightsoftware

- 1996: Original company, Every Angle, founded in The Netherlands
- 1998: First software version release
- 1999: First customers (Eriks/ASML)
- 2001: Certified by SAP AG (ICC) in Waldorf, Germany
- 2001–2017: Growth to global customer base, 150+ customers
- 2018: Every Angle acquired by Magnitude
- 2021: Magnitude acquired by insightsoftware
- **Today:**
 - 200+ customers (from mid-sized to multi-billion enterprise)
 - 30,000 users globally from various industries
 - Manufacturing, Wholesale, Pharma, Food/Beverage, Chemicals

Introduction: Brian Miller

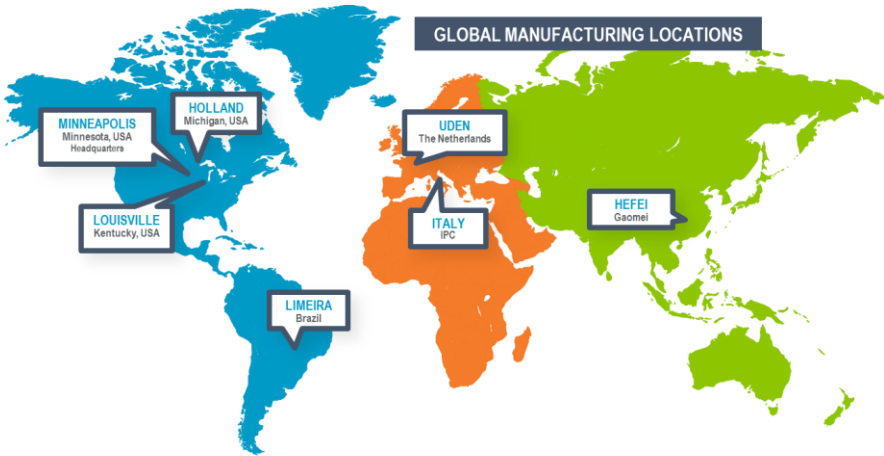
Sr. Manager – Enterprise Business Improvement

- Pharma/Med Device & Industrial Manufacturing Background
- 15+ years of experience in process improvement, automation, and data analytics
- Responsible for driving operational and supply chain efficiency through standard work, reporting, and automation



TENNANT[®]
COMPANY

Tennant Company: Overview



PRODUCTS

Commercial | Industrial | Vacuums | Pressure Washers | Coatings | Aftermarket | Tools | Recon



**NEW AND
PRE-OWNED
EQUIPMENT**
Commercial and
Industrial

62% of Revenue

**GLOBAL
DIRECT
SERVICE**
900+ Employees

15% of Revenue

**PARTS
AND
CONSUMABLES**
Batteries, Brushes,
Squeegees, etc.

23% of Revenue





Live Demonstration

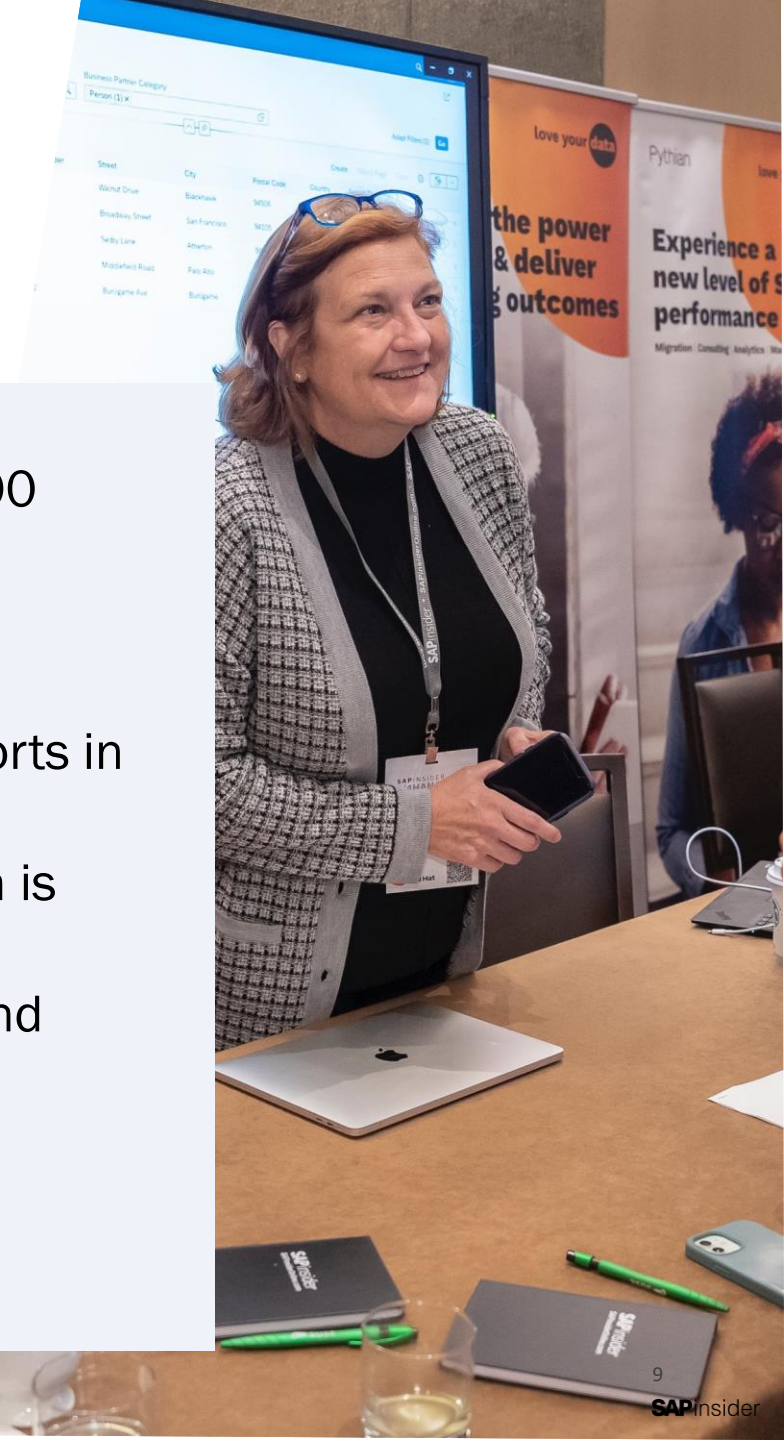
How to Perform Operational Reporting When Running SAP

You need easy transparency of your operational processes to be able to measure and improve your supply chain performance:

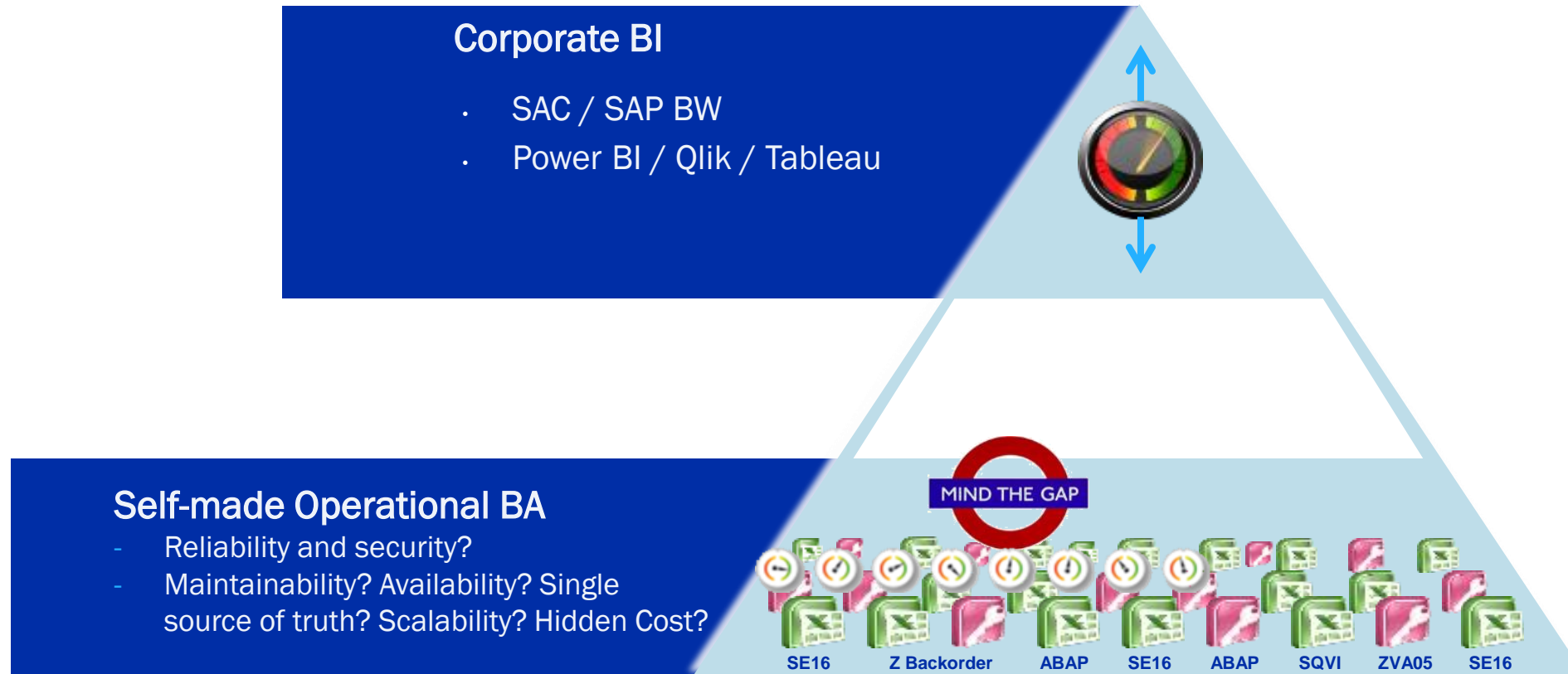
- Operational KPIs (performance)
- Root causes (preventive)
- Bottlenecks (reactive)

The Challenge When Running SAP

- SAP is too complex to get information out (>200,000 tables in database)
- IT has too little capacity to build reports for the business (Z-reports)
- People spend too much time building their own reports in Excel/Access
- Lack of single version of the truth - what information is right?
- Missing alignment between management reports and operations



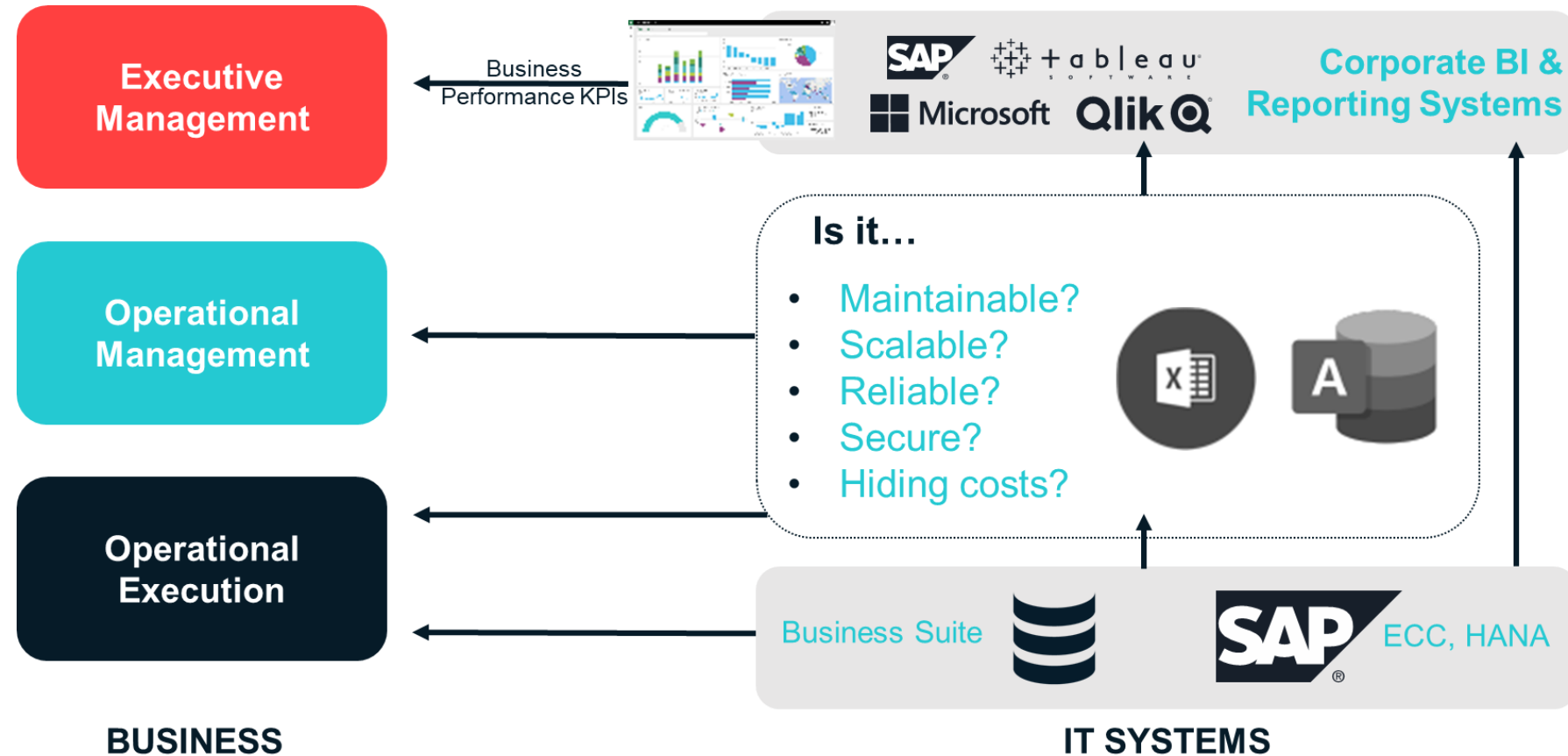
The Strategy to Execution Gap



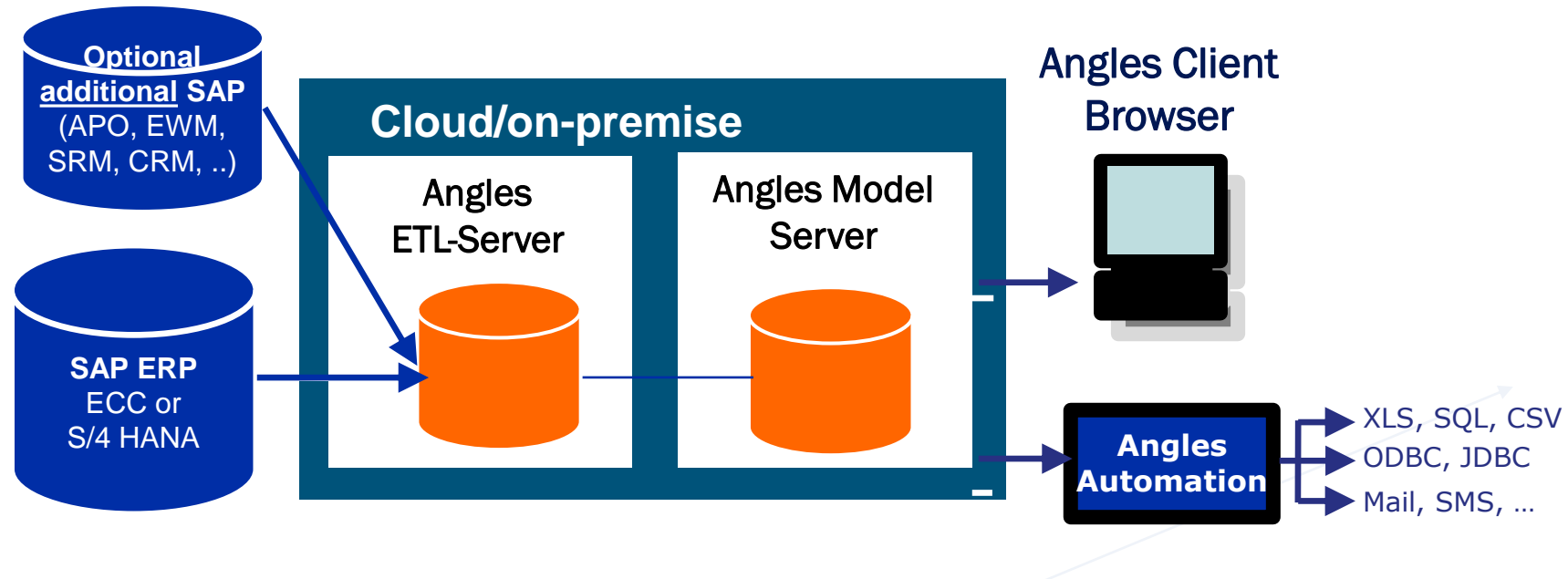
What's really going on in all those spreadsheets?



The Strategy to Execution Gap



Angles for SAP – Architecture (simplified)

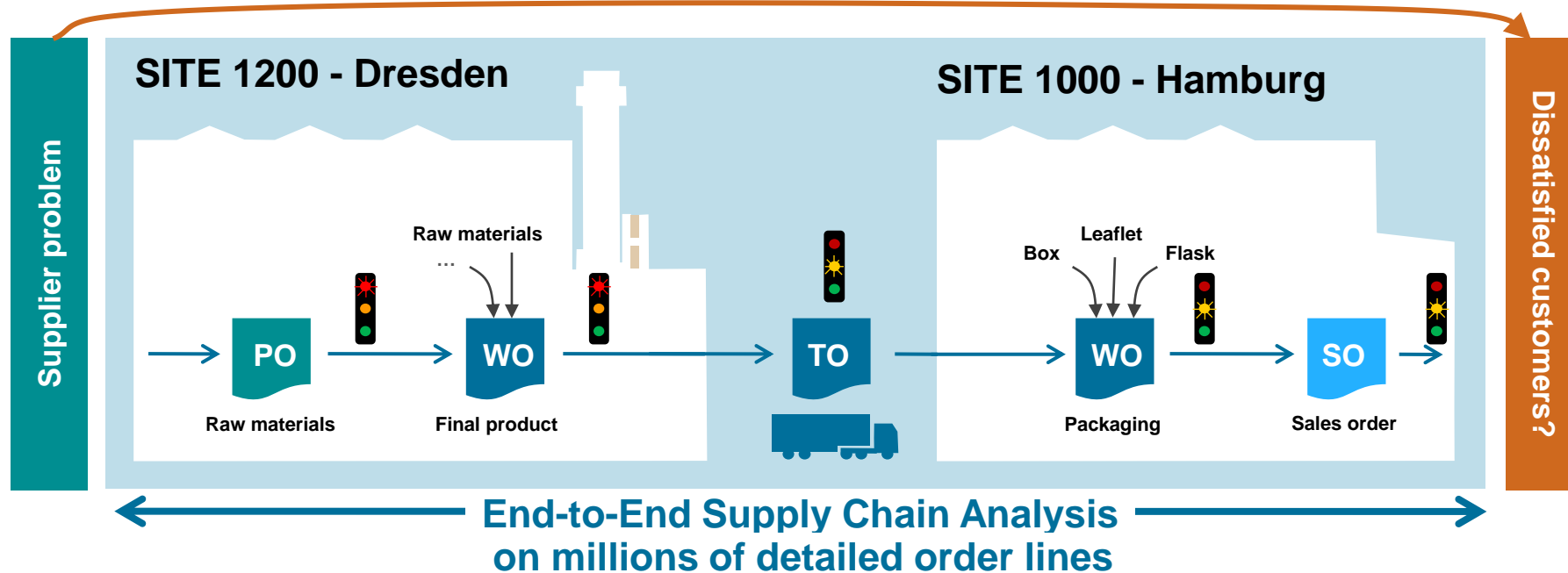


Angles for SAP – Architecture (simplified)

Characteristics of Angles for SAP architecture

- **Angles ETL:** Data extraction from SAP ERP using SAP-certified Function Module (fast and flexible, safe & secure)
- **Angles Server:** Built-in business process analytics, supply chain KPIs and SAP ERP knowledge (fully customizing 'aware' => automatic adaptation to customer specific SAP configuration)
- **Angles client:** Web browser (with hundreds of out of the box templates)
- **Angles Automation:** Automatic export, both push and pull (different protocols and outputs e.g., SQL, XLS, CSV, ODBC)

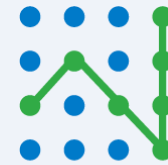
Supply/Demand Matching Algorithm



- Calculate consumption of independent requirements on basis of open/planned orders
- Link cross-company sales and purchase documents
- Simulate expected inventory/goods flow to visualise stock, supply and demand

Demonstration

- How to build basic master data checks
- How to analyze your supply chain processes
 - Historical delivery performance
 - Backorders (past due & pollution)
 - Bottlenecks
- How to analyze excess stock and reduce inventory (e.g., overplanned POs)



Angles
from insightsoftware



Customer Case: Tennant

Why Tennant Chose Angles for SAP

SAP

- Global usage by most factories and sales organizations in the world
- First go-live in 1999
- All core ECC modules: FI/CO, MM, PP, SD, WM
- Plan to move to S/4 HANA coming years

Angles for SAP:

- Go-live at Tennant in Q3 2022
- Data Extraction 1x per day (master data + transactional data) – 180GB, 800+ tables
- Power Users: 10 Globally
- Reports– 25+ and growing with daily refreshes

Why Angles & Why Now?

Problem: Flying Blind

Tennant had a number of basic operational questions that we did not have the tools to answer. SAP has the data but Tennant did not have the tools for the aggregation and analysis for dealing with the big datasets.

Core Operational Questions:

- At an aggregate level, what parts will be an issue over the next 6-8 weeks?
- What can we build with the parts on hand?
- Do we have more or less future shortages?

The lack of Planning visibility was causing:



Production
Interruptions



Expedited
Freight Costs

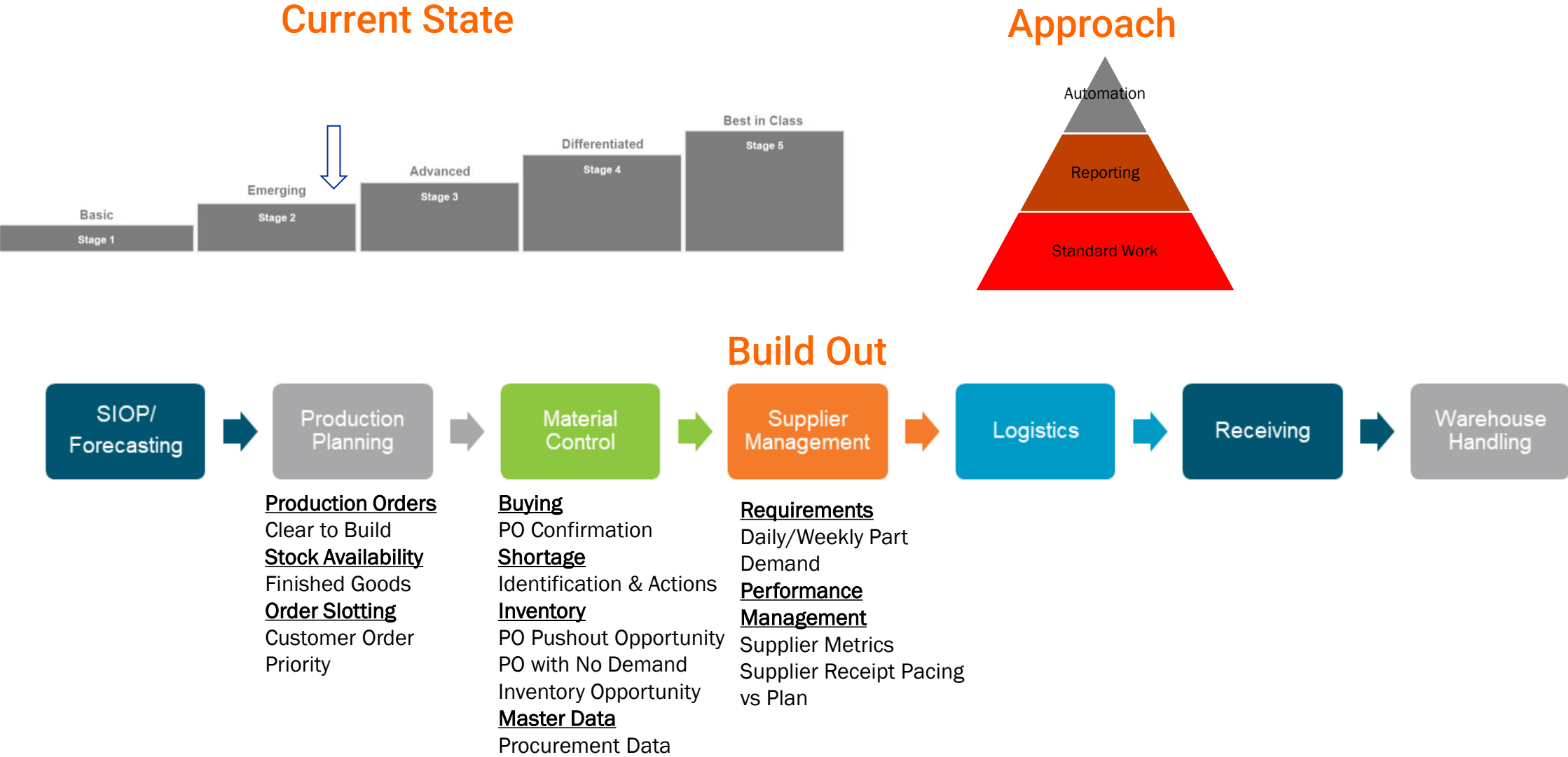


Increased Labor
Requirements
for Fire Fighting

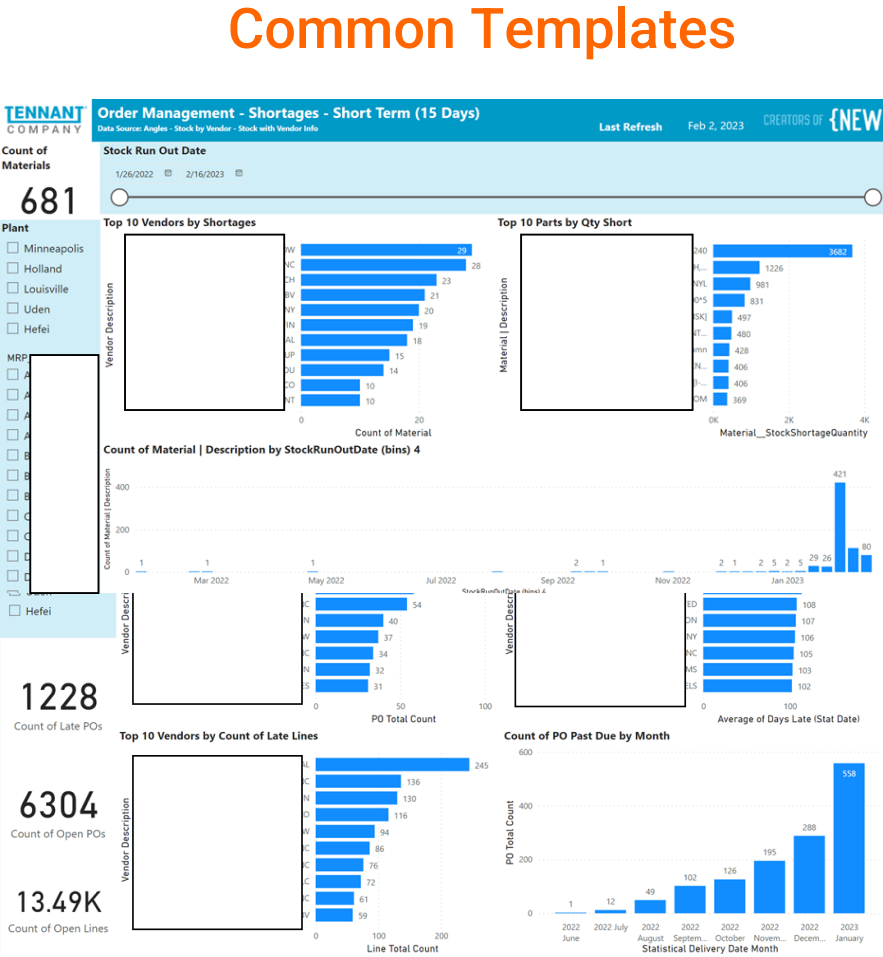
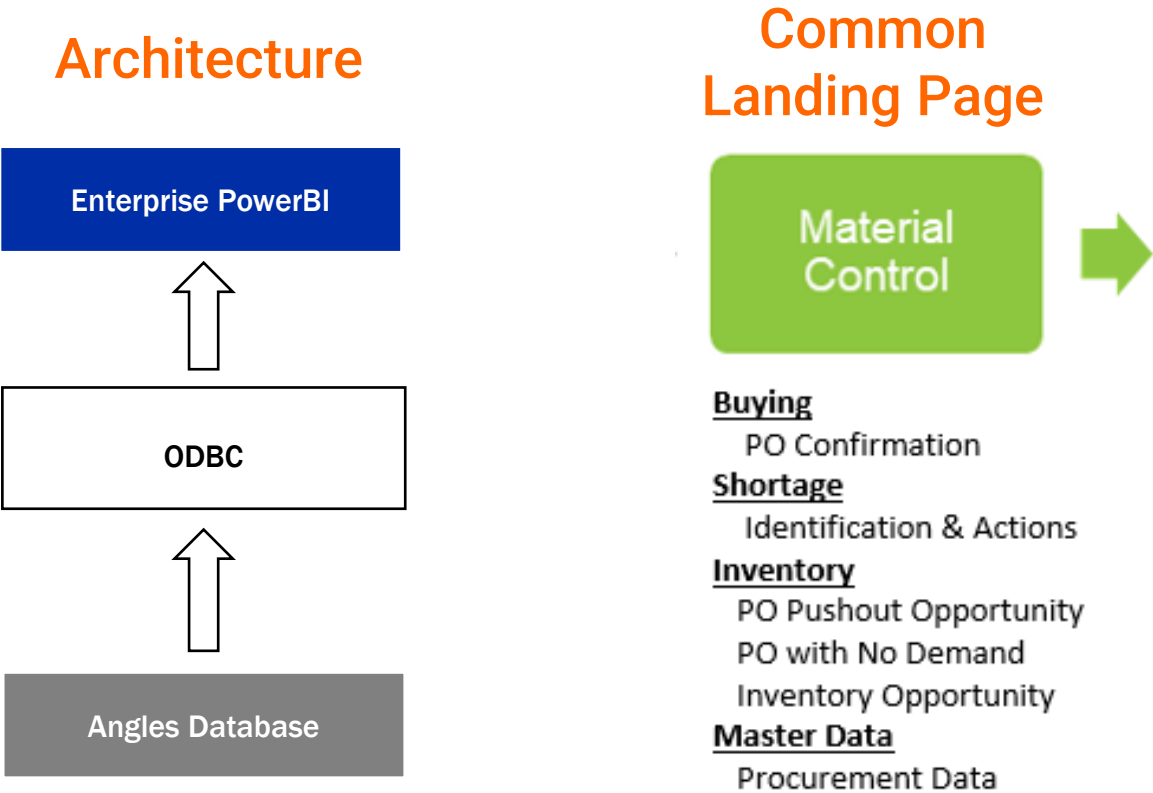


Burned out
employees

How Tennant Uses Angles for Building an Operating System



How Tennant Pairs Angles with PowerBI



Experiences and S/4HANA Preparation

Feedback

- Building reports in minutes vs. days allows quicker development cycles

Results

- Source of Truth, Management Friendly
- Enabling Accountability, Oversight

Recommendations

- After-Sales Support is key
- The best reporting in the world won't fix accountability and process issues

S/4HANA Prep



Wrap Up



Where to Find More Information

[Angles for SAP Page: Transform SAP Data into Actionable Insights](#)

[Customer Story: Morgan Foods International](#)

[On-Demand Webinar: How to Optimize your SAP Supply Chain Performance](#)

[On-Demand Webinar: How to Get a Clean, Up-To-Date SAP ERP System without Pollution](#)

Key Points to Take Home

- Improvement starts with:
 - Understanding your business processes
 - Transparency provided by operational + actionable KPIs (facts)
 - People motivated to learn and improve and take ownership
- Angles for SAP is high value 'asset' for companies that consider their SAP ERP system as the 'single version of the truth'
- Data quality is key for having:
 - Correct planning (forecasting, MRP)
 - Efficient and reliable execution
 - Facts you can trust (reporting)
- Software is just enabling, but organizational culture is key for real 'change'

Thank you! Any Questions?

Stop by Booth **#1215** to learn more!

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your session evaluation.

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