CHAMBERLAIN + Westernacher



Manage by Exception: Automate your processes and focus on high value tasks

Shannon Lange, IT Director, Business Systems - Supply Chain & PLM, Chamberlain Group Michael Favor, Manager, Transportation Management Systems, Chamberlain Group Nicholas Runge, Practice Director Transport & Logistics, Westernacher & Partner Consulting, Inc.

Session ID #83614

About the Speakers



CHAMBERLAIN GROUP

Shannon Lange

- IT Director, Business Systems Supply Chain & PLM, Chamberlain Group
- Almost 20 Years with Chamberlain
- Working with SAP since 2011 in the Supply Chain Space
- IT Hero by day, DIY'r by night & weekends

Michael Favor

- Manager, Transportation Management Systems, Chamberlain Group
- 18 Years of supply chain experience
- Implementation experience in all multiple categories of Supply Chain
- Avid skier based out of Tucson, AZ
- Email: michael.favor@chamberlain.com

Westernacher

Nicholas Runge

- Practice Director Transport & Logistics
 Americas, Westernacher & Partner Consulting
- 12 years logistics experience
- 7+ years SAP TM implementation experience, globally
- Born and raised in rainy Hamburg, Germany
- Now based out of sunny Scottsdale, AZ
- Email: nicholas.runge@westernacher.com



Key Outcomes/Objectives



Today's session should help to understand

- 1. Value Drivers for SAP TM based on real life example
- Benefits of a harmonized end-to-end SAP system landscape
- Automation potential with SAP Transportation Management and SAP Fiori



Agenda

- Chamberlain Group Company Background
- SAP Transportation Management Project Highlights
- Management by Exception enabled by Westernacher's TM Control Tower



Our Vision We give the power of access and knowledge.

Our Mission

People everywhere rely on CGI to move safely through their day, confident that what they value most is secure and always within reach.

Our Brands

my Q. GRIFCO Merlin tend SYSTEMS LiftMaster CHAMBERLAIN.









Over 6,000+ Employees Worldwide

CGI is a global team with solutions & operations designed to serve customers in a variety of markets worldwide.

8,500+Sales offices and dealer network locations







CHAMBERLAIN GROUP

Our Core Categories







Partner Devices



Multi-Format Credentials



IP Access Controls



Residential Garage Door Automation



Gate Automation



Commercial & Fire Door Automation



Locks & Video









CHAMBERLAIN

GROUP

1M+ Registered Home Owners



Distributed On Premise + Cloud Services with Load Balancing, **Hardware and Software Firewalls**



Data Archival Rules, Notifications and Analytics



Data Archival Rules, Notifications and Analytics





In-Garage Delivery is here For Amazon Prime members









Chamberlain Group Before SAP TM

- Systems
 - Manhattan PkMS for WM and Transportation Planning & Execution
 - SAP for sales and finance
- Process
 - Very Manual
 - FTL routing done via carrier matrix
- Planning Manpower
 - Equal to one full time equivalent for Tucson DC
- Shipment Types Share
 - LTL and FTL are 15% of the total shipments but count for 85% of M3 volume





Chamberlain Group Before SAP TM

- Legacy application supports outbound planning in a limited capacity
- Transportation processes in Nogales (production plant) are handled manually
- Consolidation opportunities not maximized nor do we have a systemic way of bidding out freight to multiple carriers
- Legacy functionality only tracks the status of the shipment within the four walls of the DC
- LTL/TL freight rates and analysis of carrier's performance is not automated
- Freight settlement is outsourced







Strategic Drivers for SAP TM

Commercial Excellence

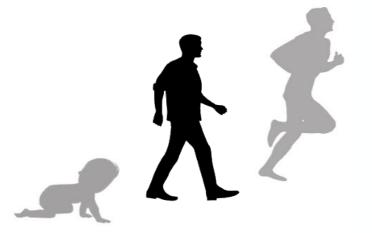
 Reduction in freight spend: Getting the best rate, with on-time delivery will save our customers and Chamberlain freight costs

Meaningful Innovation & Digital Leadership

Connectivity to our carrier base (rates, performance, real-time tracking)

Operational Excellence

- On-time delivery and quality
- Meet the customers needs (lift gate, inside delivery)
- Strive to provide the 'perfect delivery'
- Maximize level of automation





SAP TM Implementation Overview

- Chamberlain and Westernacher met for 5 days
 - Transportation, Distribution, Customer Service, IT and sales
- Current processes and systems landscape were white boarded
- Order Based vs Delivery Based Planning debated
- 3 weeks in total to complete blueprint document
- Five months of development with significant time commitment from both Chamberlain IT and Business and Westernacher Consulting as a strategic partner
- Successful Go-Live in February 2019



+ Westernacher

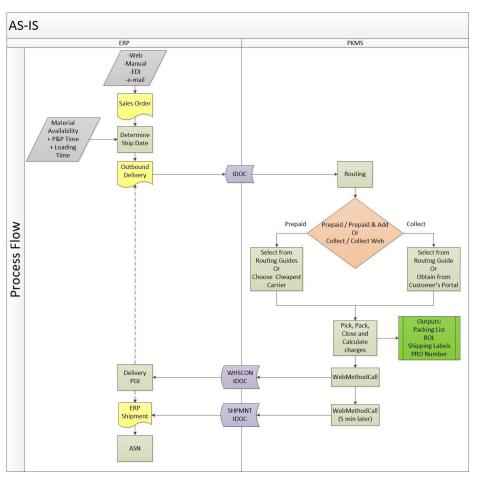




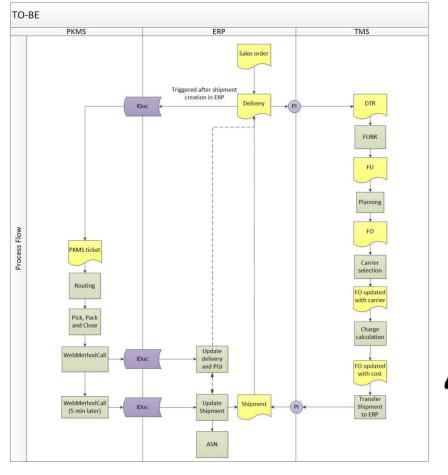


Process Flow – Before and After

Legacy Process



SAP TM Process





SAP TM Phase I - Goals

- Outbound Shipment Execution Tucson DC to Include:
 - Modes of Transport (TL & LTL)
 - Contract Management
 - Load Building/Optimization
 - Electronic Load Tendering
 - 6 LTL Carriers to do EDI 204/214
 - Workflow
 - Alerts
 - Reporting/Analytics (out of the box)
 - High degree of process automation
- Timeline
 - 6 Months from Blueprint to Go Live



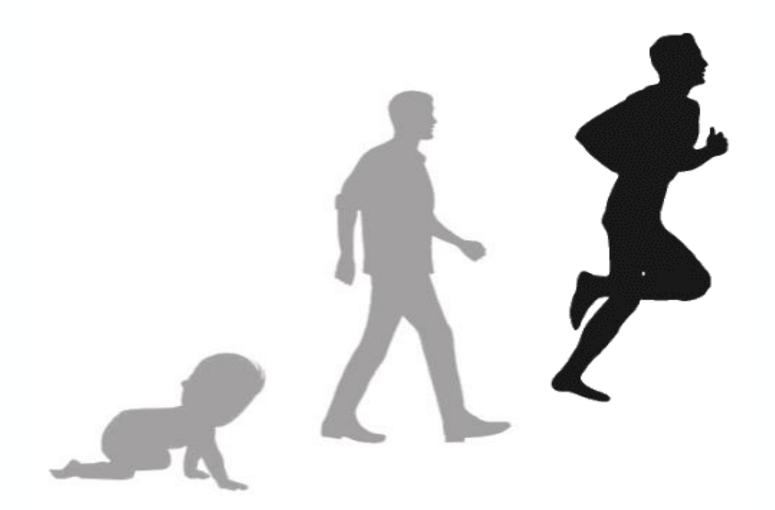
SAP TM Phase I - Achievements

- Exception Based Transportation Management
- Planning
 - TL & LTL Modes, Load Optimization, Freight Tendering (broadcast), Automatic Carrier Selection, and PC Miler (map) Integration
- Transportation Execution & Monitoring
 - Track and Trace via SAP EM, Carrier Collaboration through
 Portal
- Contract Management & Charge Calculation
 - SMC3 (rate) Integration, Transportation Charge Management
- High degree of process automation





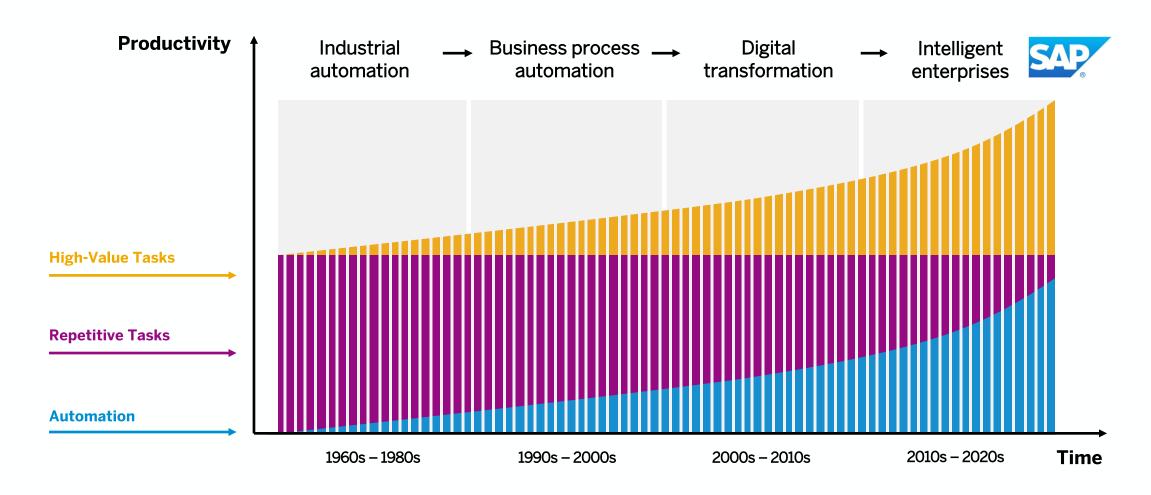
Full Process Automation with SAP TM





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Focus on High Value Tasks!

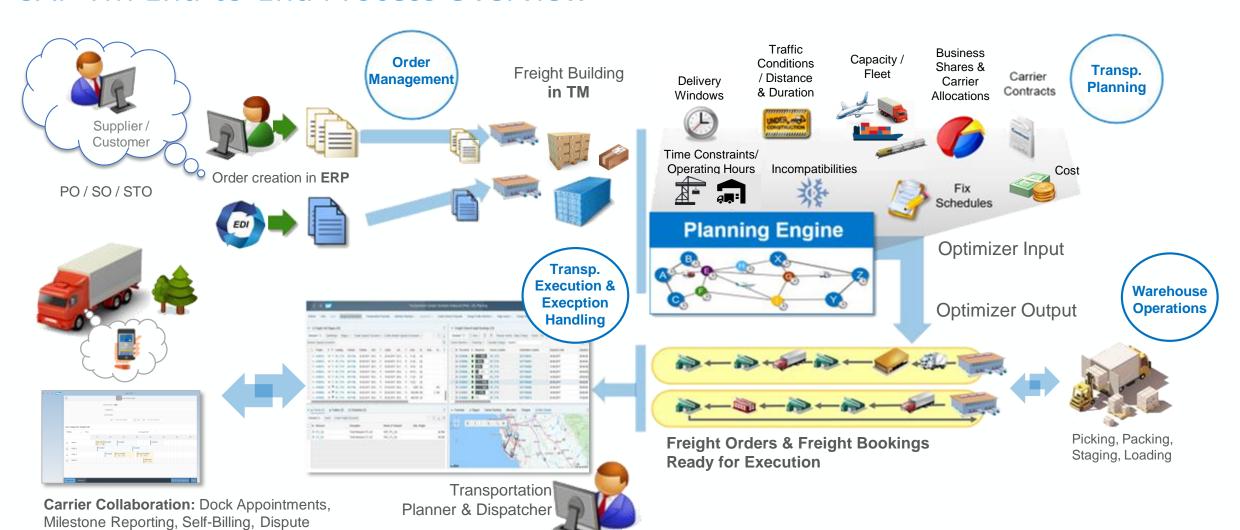




Management, Rate Management

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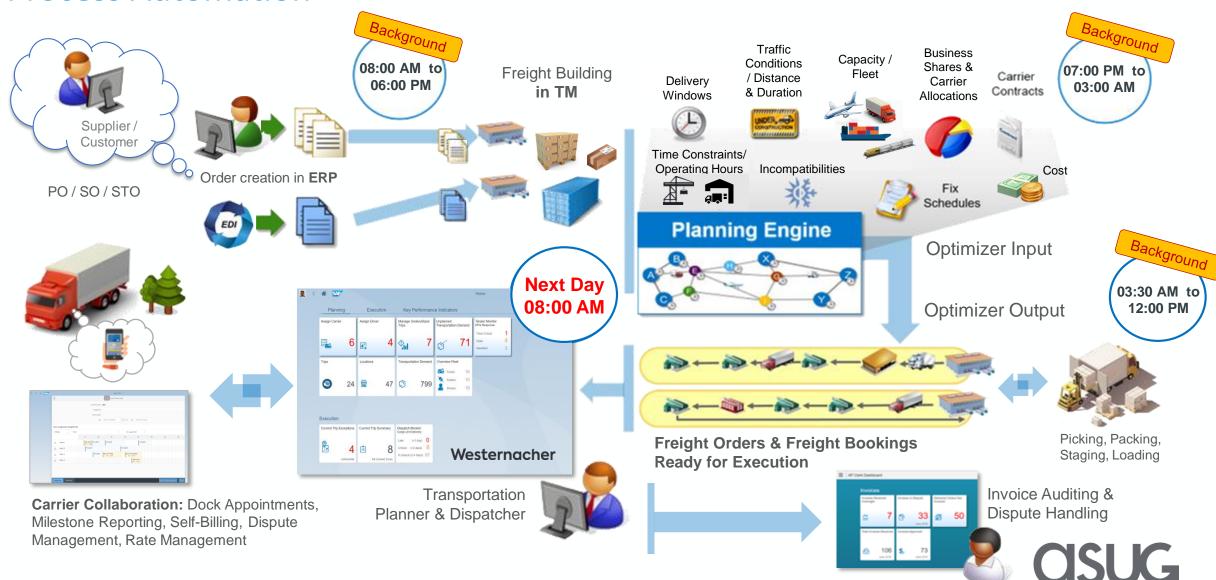
SAP TM End-to-End Process Overview





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Process Automation

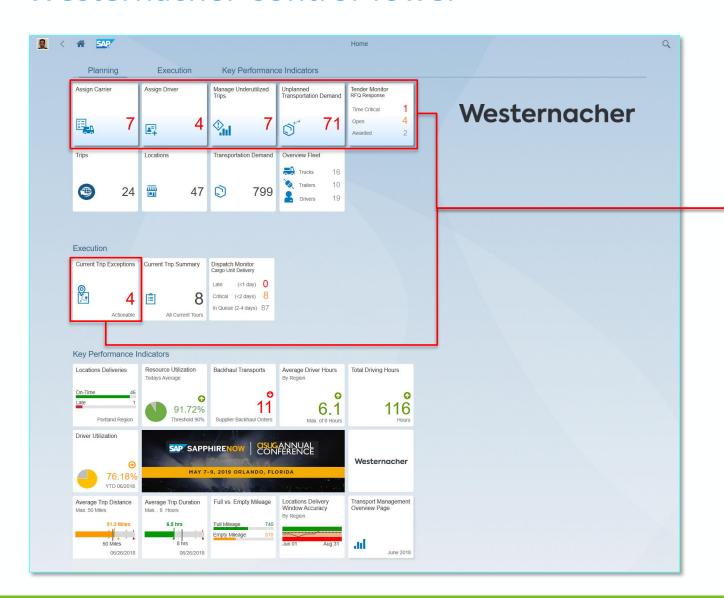


- The Westernacher 'Control Tower' is based on SAP Fiori
 UX / UI5 technology to enable the user to manage the daily
 operations only through exception handling.
- This role based dashboard concept separates a single screen in different sections such as Planning, Execution and KPIs.
- Assuming an automated planning/scheduling process, this Fiori dashboard displays only relevant data in the dedicated tiles in which the user can drill into.
- Each section provides different apps to execute different actions with focus on exceptional cases.
- All screens are minimized to the operationally required minimum set of data and functionality.
- All executable transactions are standard functions also available in the regular NetWeaver UI.





Westernacher Control Tower

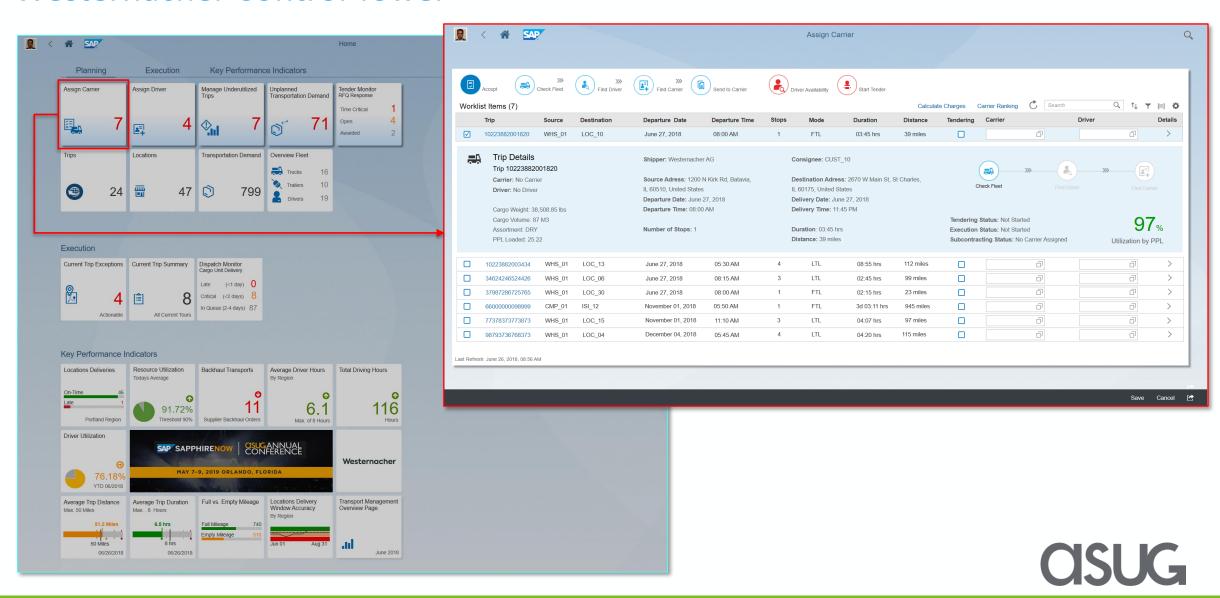


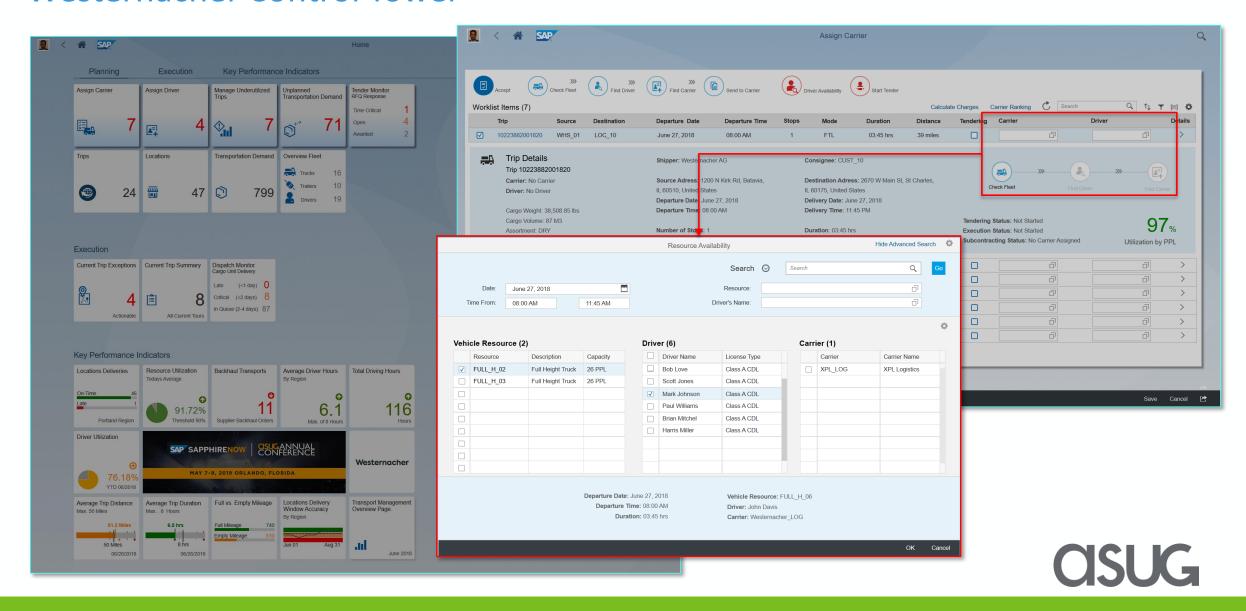
→ Process Exceptions

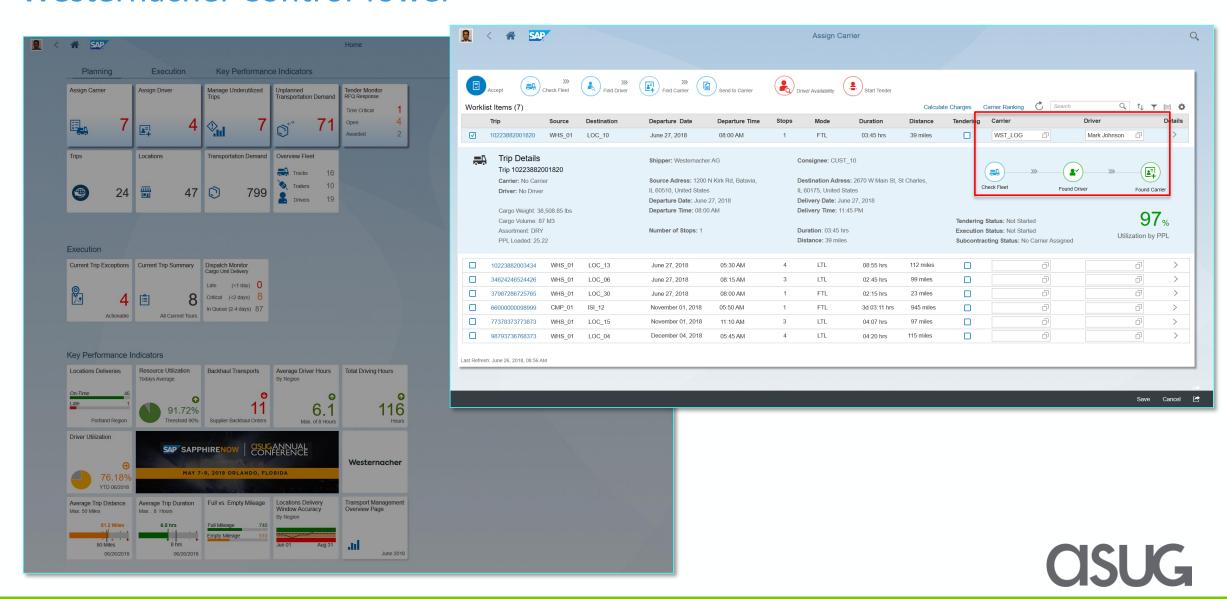


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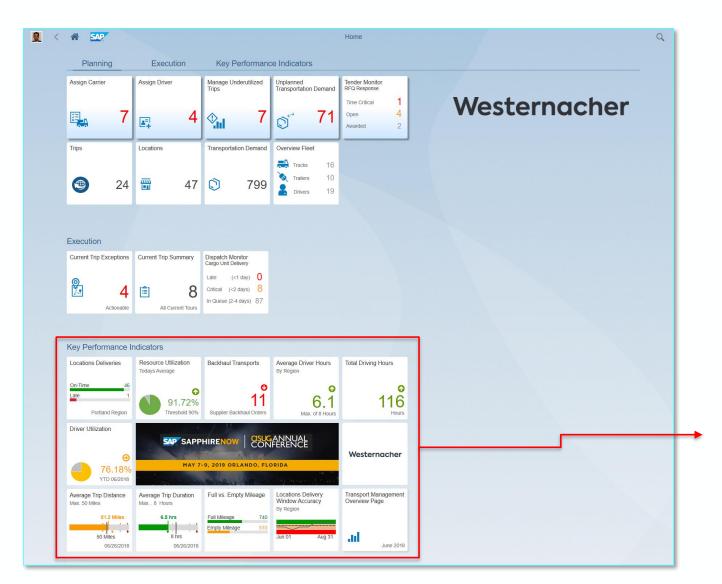
Management by Exception





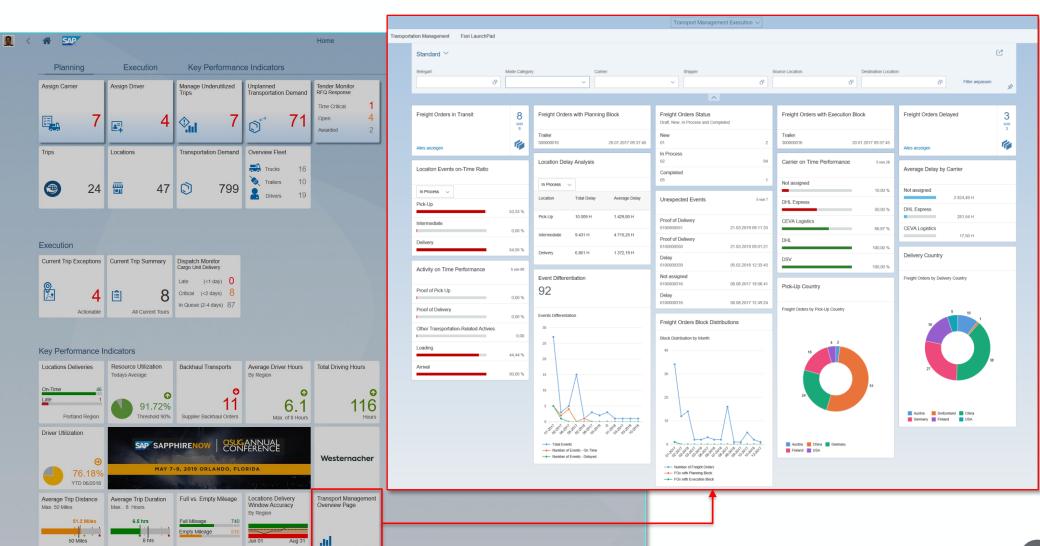


Westernacher Control Tower



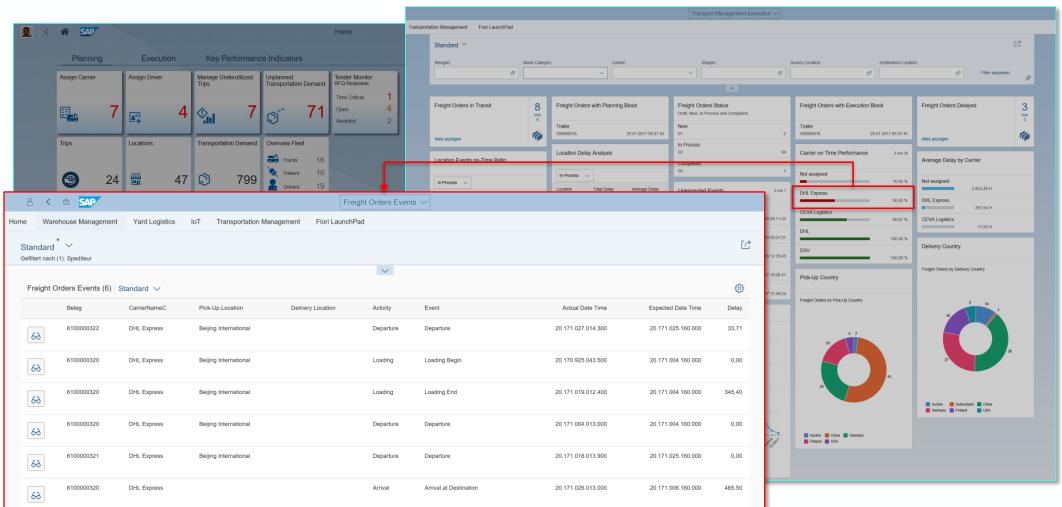
Embedded Analytics





- Powerful real time reporting and root cause analysis based on SAP back-end functionality enabled by SAP HANA
- Built in latest Fiori technology
- To be deployed on SAP HANA to achieve comprehensive real time reporting





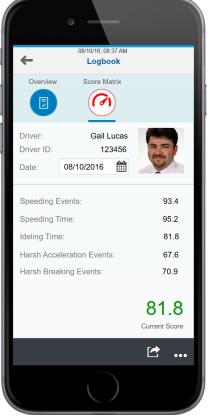
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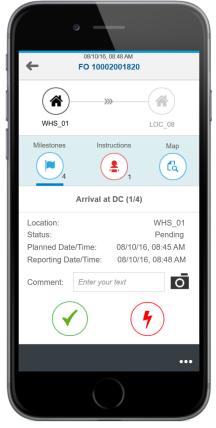


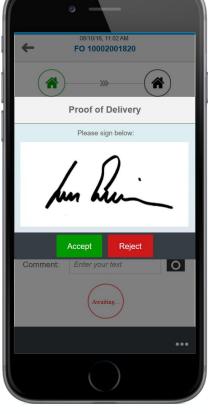
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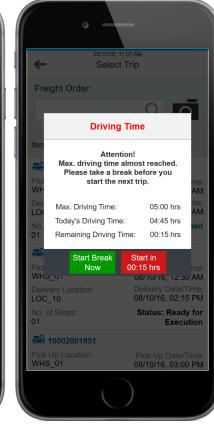
Westernacher Mobile Driver Applications











Menu

Driver Logbook

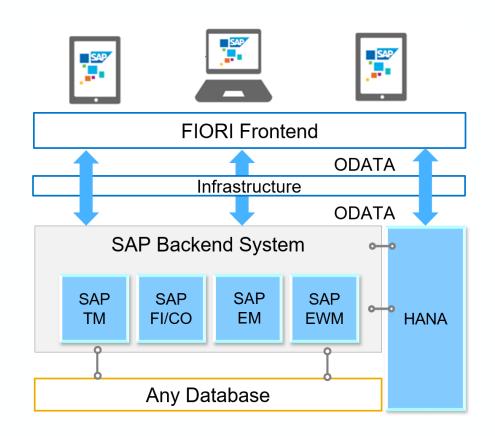
Milestone Reporting

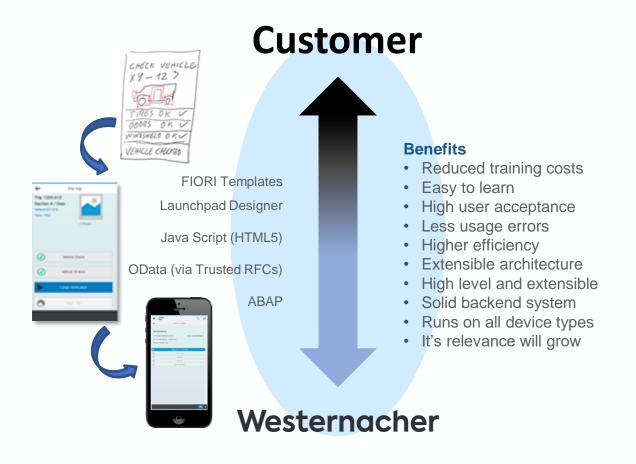
Proof of Delivery

Time Management









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Exception Prediction & Prevention





Feel Free to Reach Out!

Q&A

For questions after this session, contact us at...

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