Connecting the Dots:
Plant Maintenance Journey with SAP Datasphere, Data Intelligence, Build Apps, and Machine Values

February 2024

Presenters

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Content

Presenters

Opportunity

Problem

Solution

Process

Accomplishments

Outlook

Conclusions

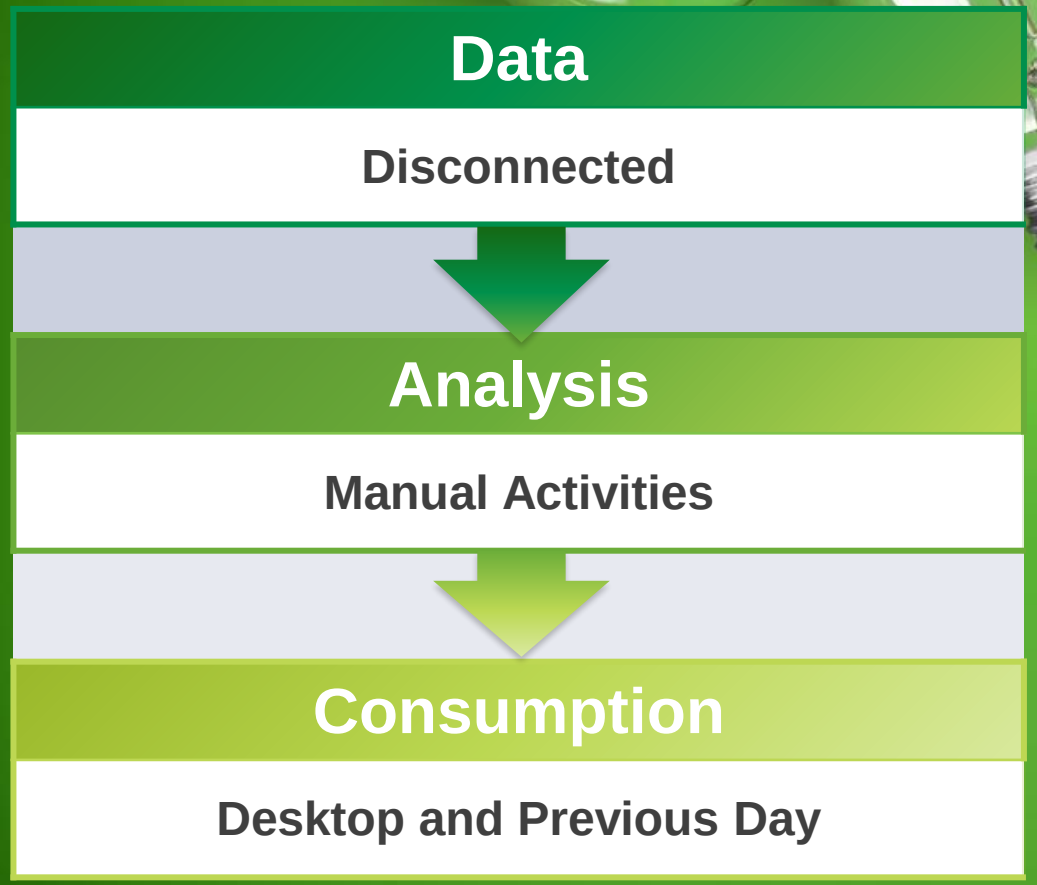
Opportunity

Unplanned Downtime Cost Per Hour

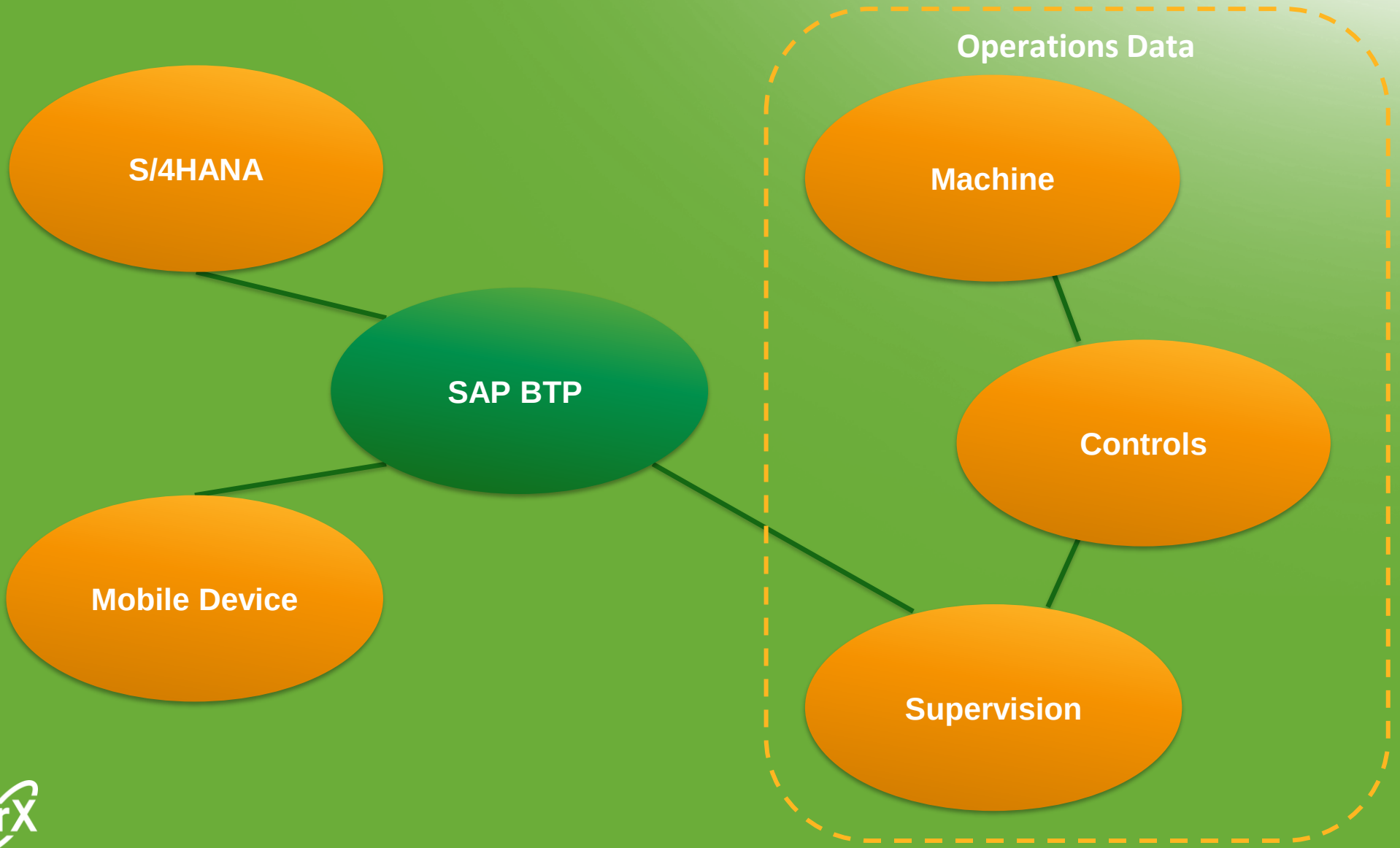
$125,000

Value of Reliability, ABB Survey Report 2023

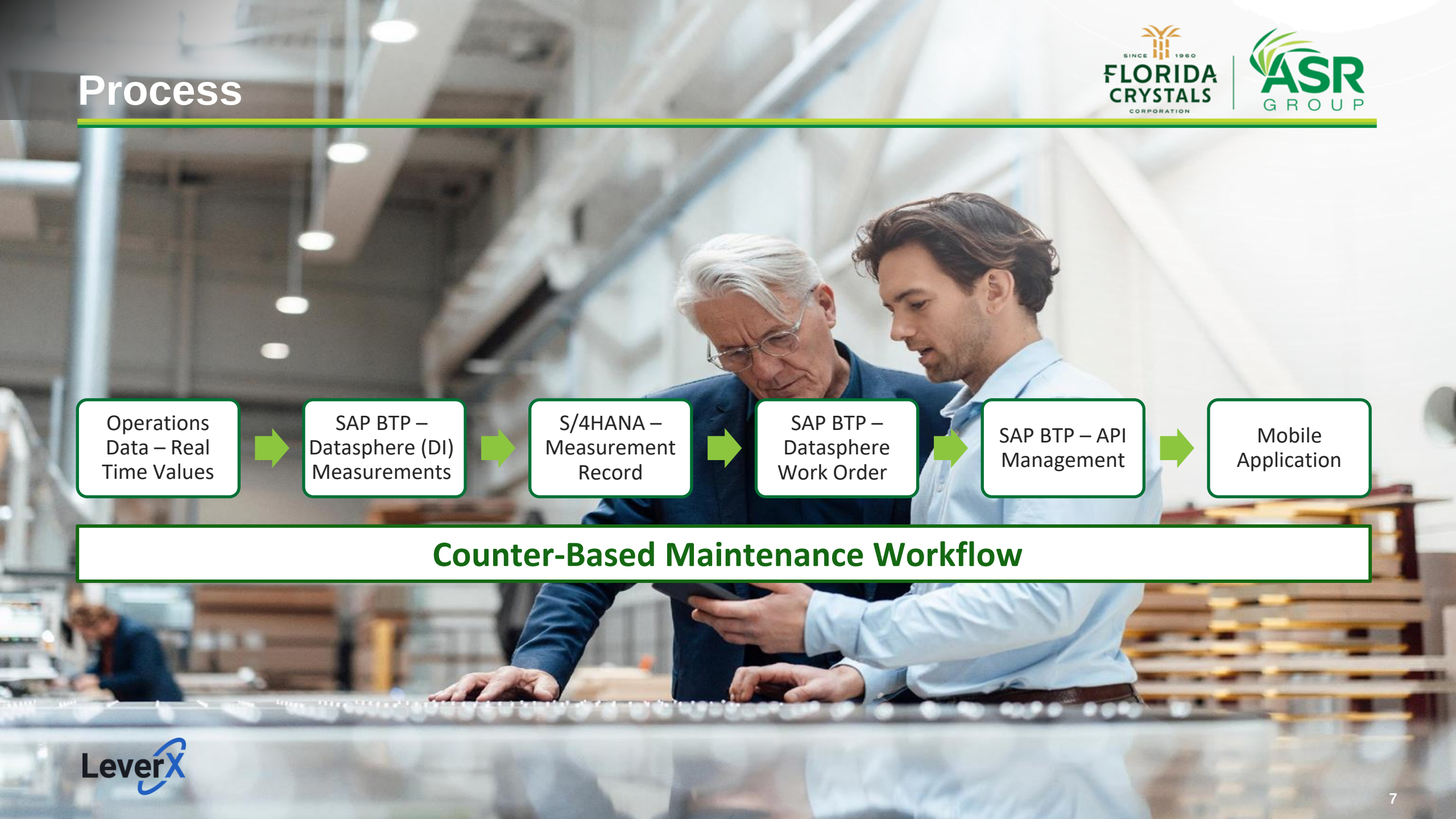
Problem


Data
Disconnected
Analysis
Manual Activities
Consumption
Desktop and Previous Day

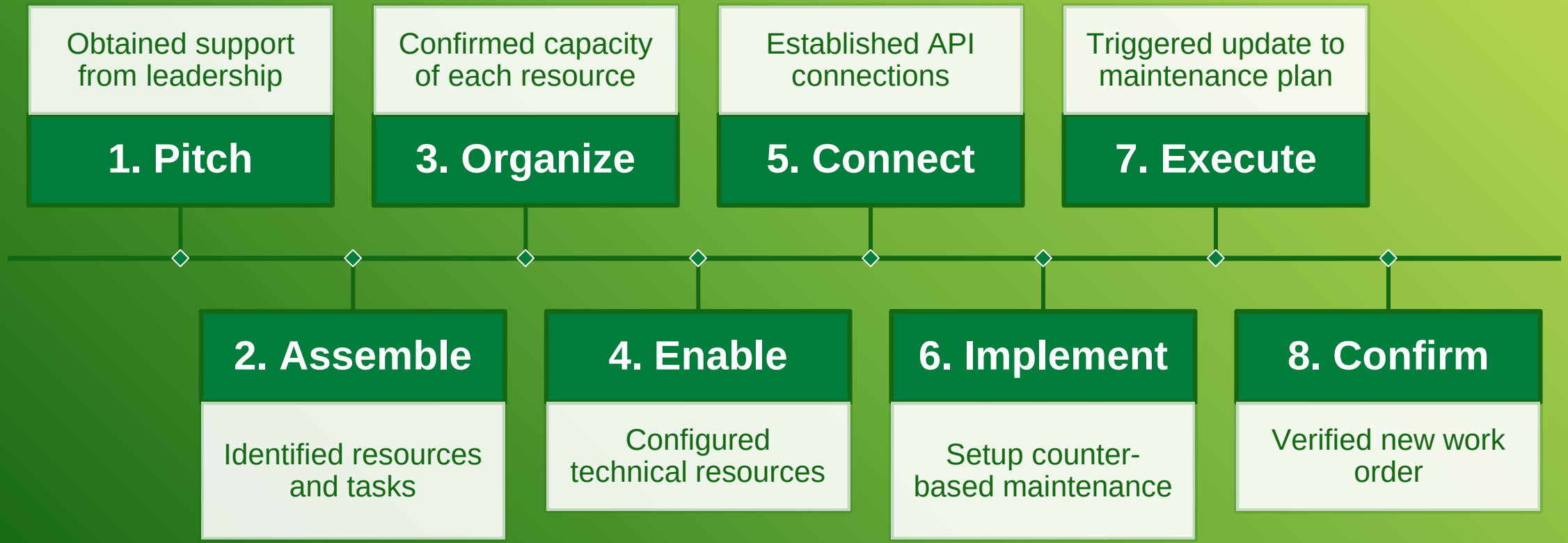
Solution


Operations Data
S/4HANA
Machine
SAP BTP
Controls
Mobile Device
Supervision

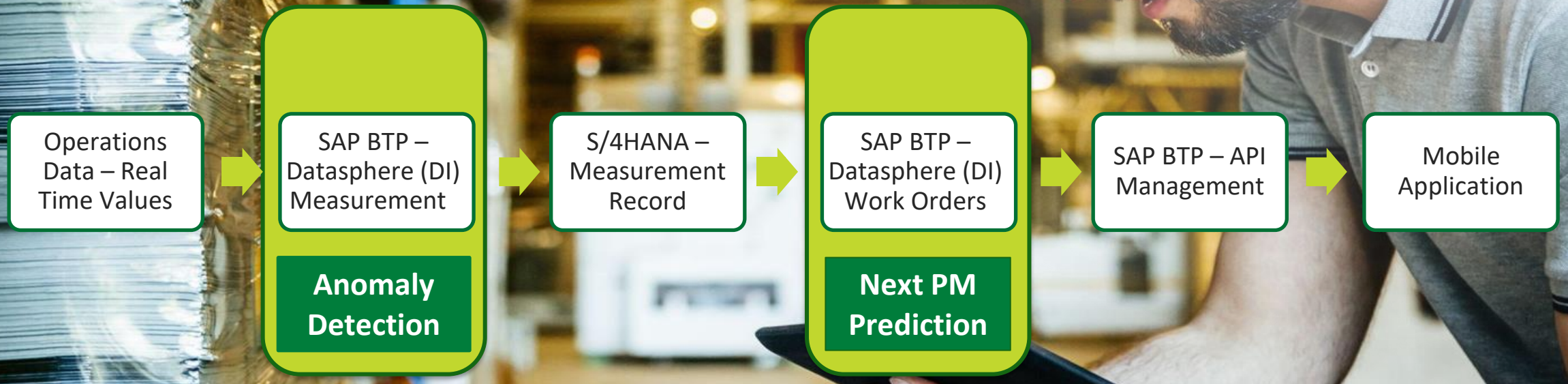
Process


Operations Data – Real Time Values
SAP BTP – Datasphere (DI) Measurements
S/4HANA – Measurement Record
SAP BTP – Datasphere Work Order
SAP BTP – API Management
Mobile Application
Counter-Based Maintenance Workflow

Accomplishments



Outlook



Counter-Based Maintenance Workflow with Advanced Analytics

Data Foundation

SAP Datasphere (DI)

integrating and managing data across systems, enhancing analytics and machine learning

Data empowerment

SAP Datasphere

data management solution that centralizes and simplifies access to business data across landscapes

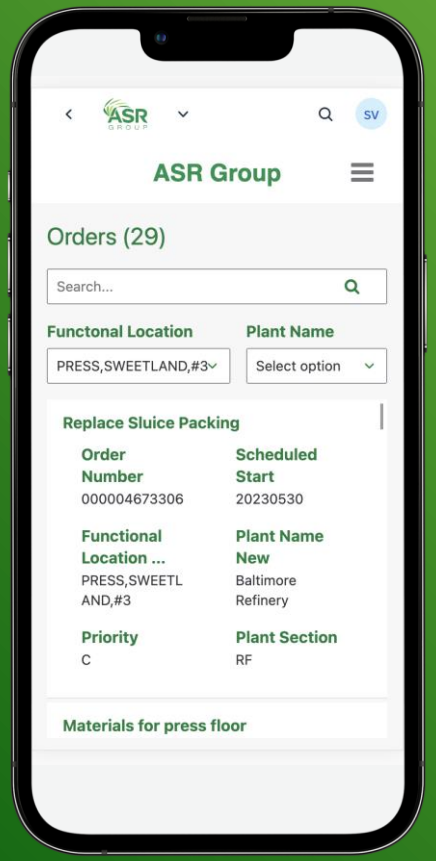
Data unification

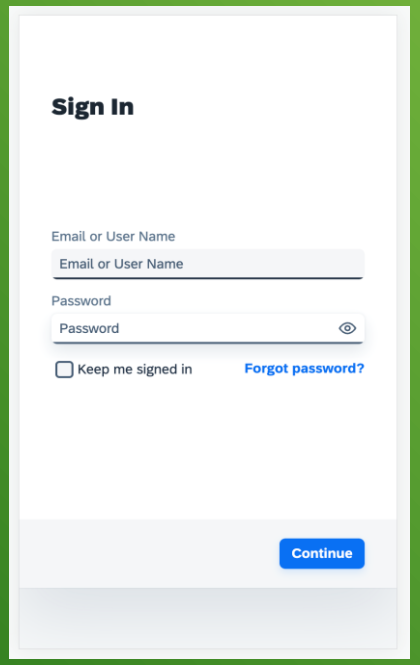
SAP Integration Suite

integrating applications, data, processes and APIs orchestrating across diverse environments

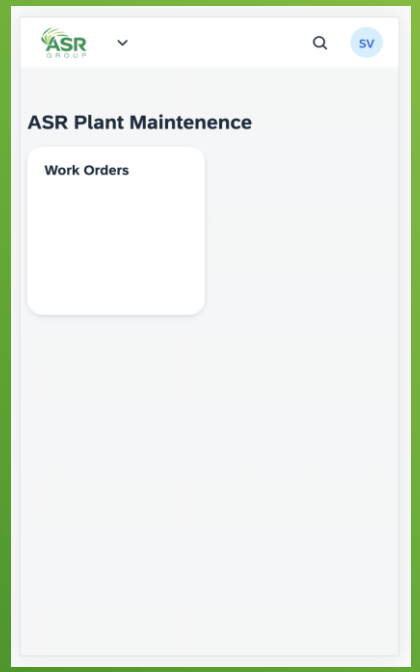
Integration simplified

User Experience

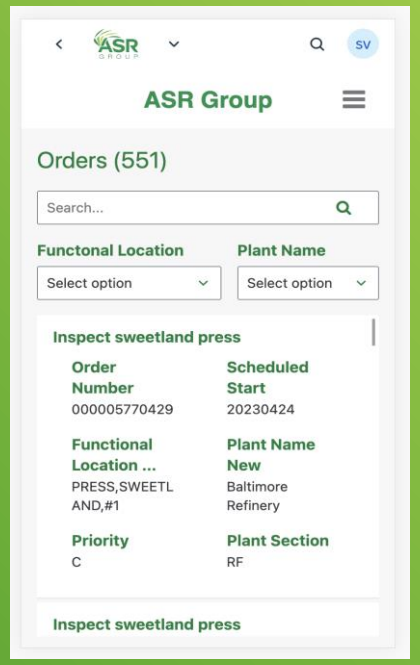




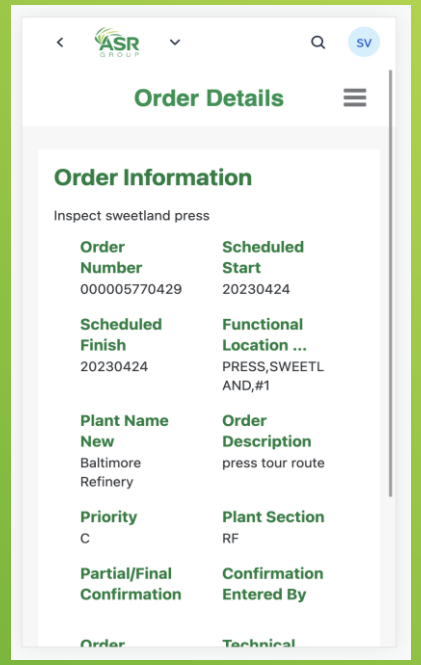
SAP IAS:
Authentication screen



SAP Work Zone:
Launch screen

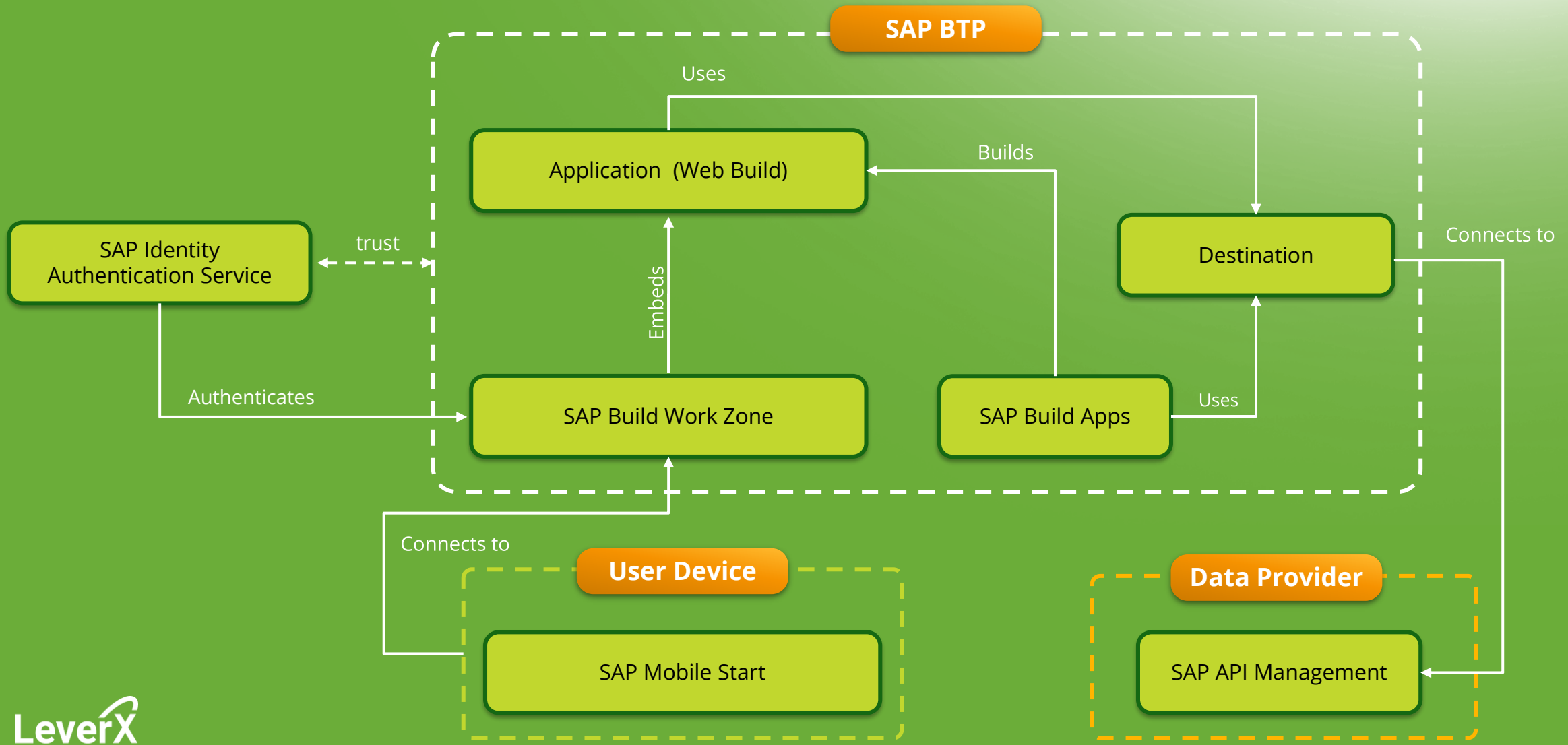


List View:
All Orders



Detail View:
Order Information

User Experience



Conclusions

1. Design and build for embedded intelligence (EI)
2. Maintain a light wire (APIs)
3. Prepare for various interfaces
4. Consider user experience

Conclusions

Q&A

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