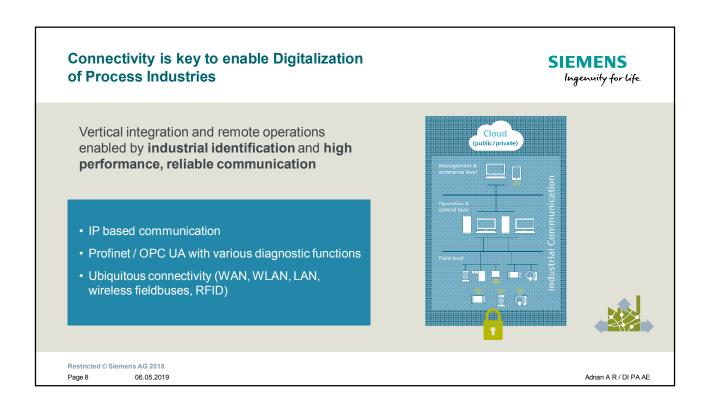
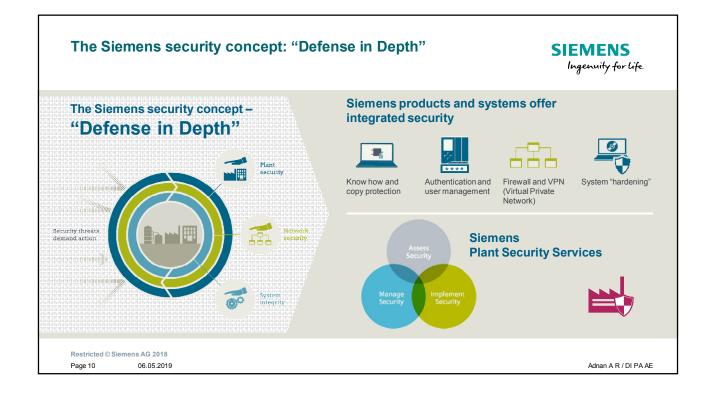
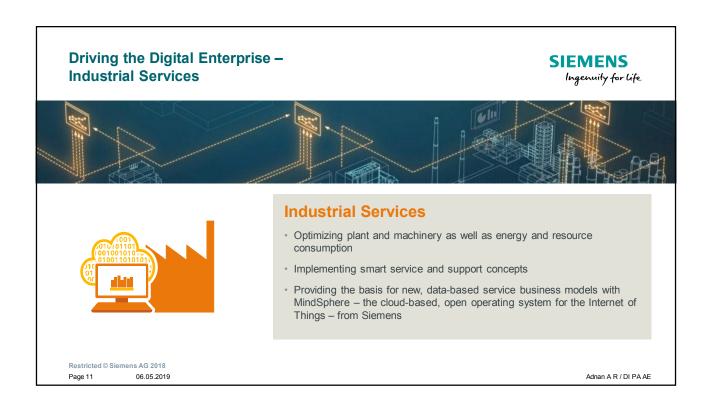


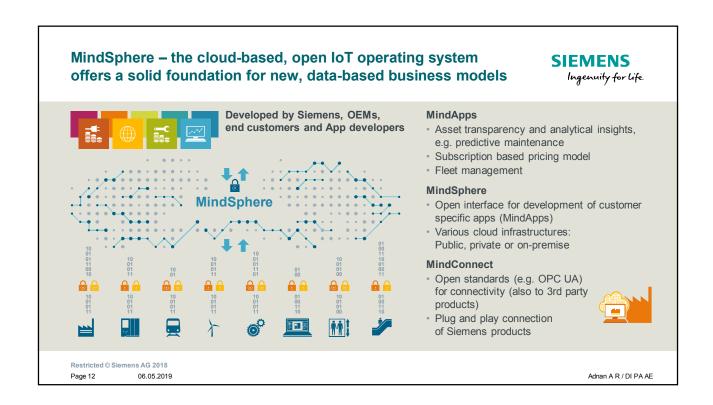
Driving the Digital Enterprise – Industrial Communication Industrial Communication Industrial Communication Connecting all elements of the value chain through efficient networks based on proven standards Ensuring a fast and reliable horizontal and vertical data transfer Meeting the growing demands in production and logistics management through industrial identification Restricted Siemens AG 2018 Page 7 06.05.2019 Adnan A R / DI PA AE

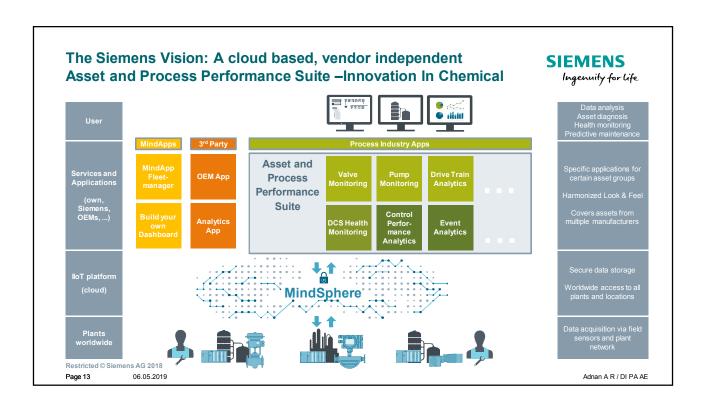


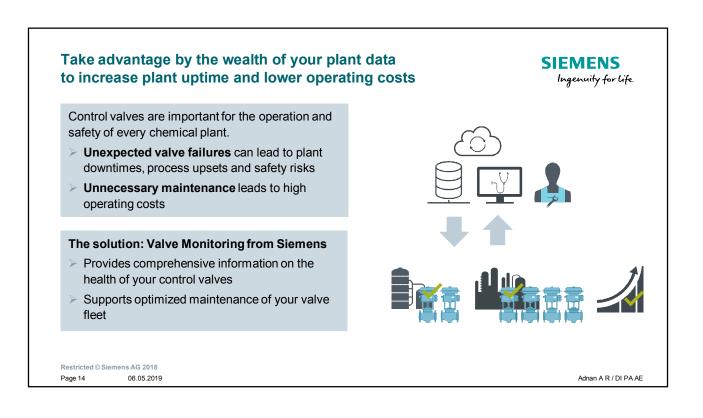


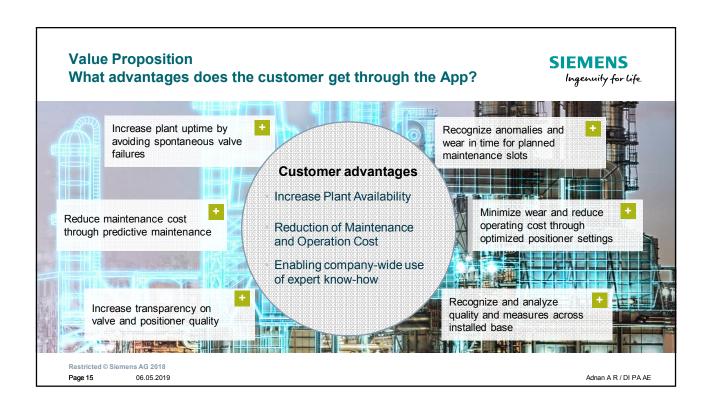


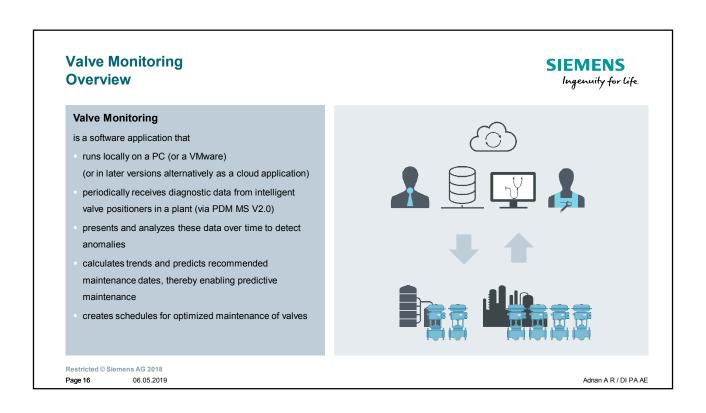


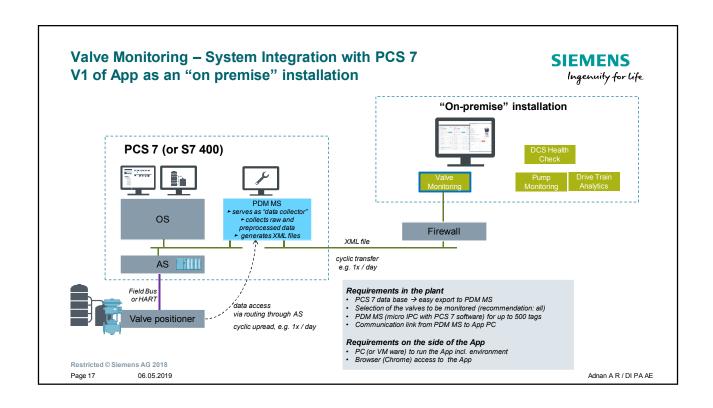


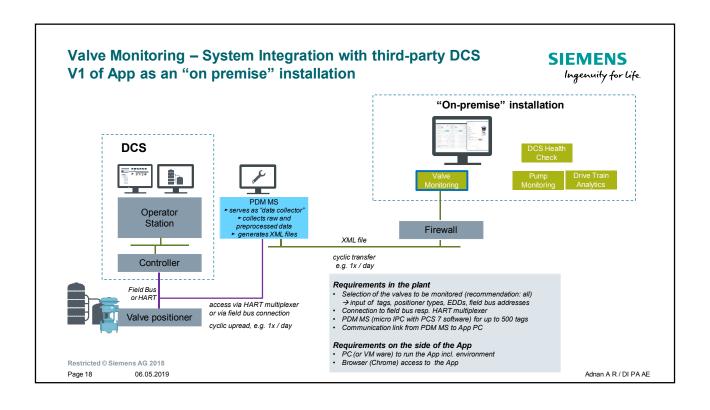


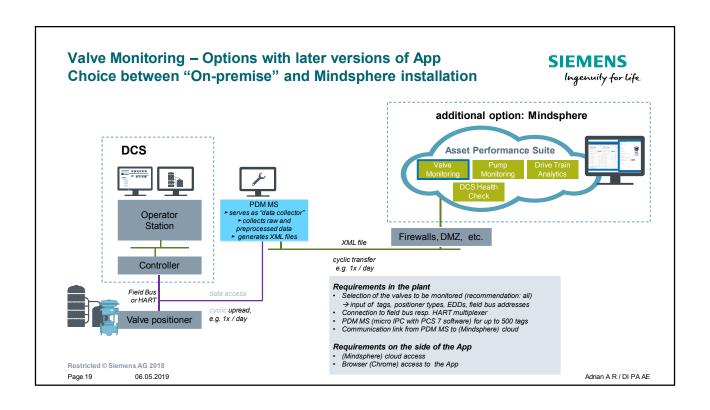


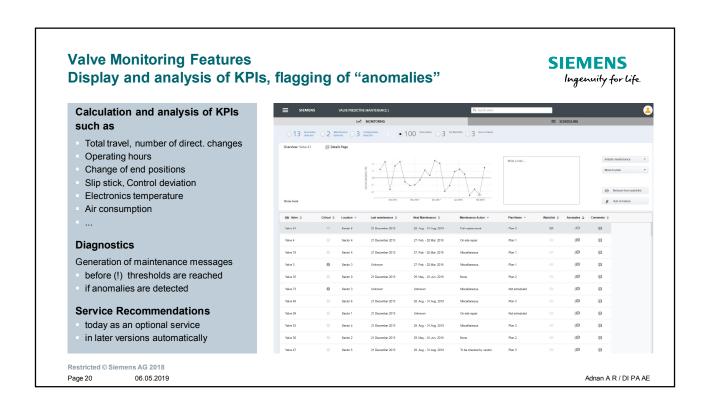


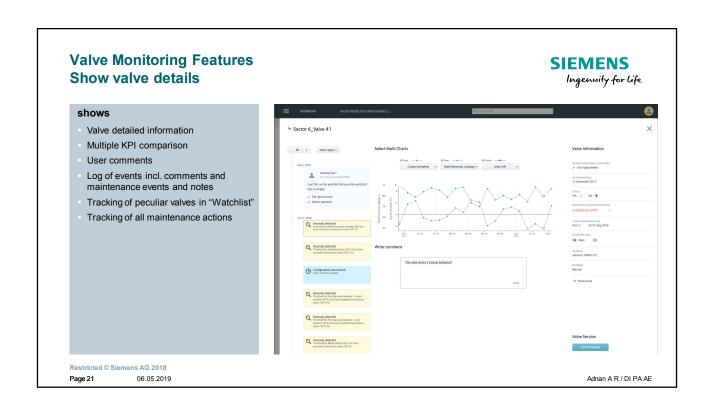














Valve Monitoring Features Maintenance Support

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Generation of optimized valve maintenance plans

- Automatic generation of maintenance plans with recommended maintenance dates for each valve
- based on a (externally specified) maintenance schedule and the expected wear date
- Continuous updates of plans through near-real-time maintenance data
- User-controlled modification of maintenance plans via drag and drop
- Freezing of plans, locking of valve to a certain plan
- Transfer of maintenance information to superordinate Maintenance System (e.g. Siemens COMOS MRO or SAP PM or IBM Maximo)

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27 - 30 May 26 - 29 Nov 25 - 28 Feb Not scheduled 20 Good St OO Move to O1 Move to Inter-plan 19 Good fit. O1 Move to O1 Move to Later plan 16 Cood Fit 02 Move to 01 Move to inter plan 39 Intelliget 04 Move to confer plan Sector 4_Valve 26

Drive Train Analytics for increased availability, predictability of downtime and improved maintenance

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- Remote Automated Monitoring & Managed Diagnostics Services supporting conditionbased and predictive maintenance for drive systems (HV-motors, MV-drives and application gear units)
- Promotes increased availability of the drive train, predictability of downtime and improved maintenance
- Certified experts provide cloud-based monitoring and data evaluation services

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Smart Motor Concept is an example for digitally enhanced Electrification and Automation

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Smart Motors – connected to MindSphere

- Integrated vibration, magnetic flux and temperature sensors
- · Reduce down times to increase fleet and plant availability and reliability
- · Optimize operation efficiency
- Maintenance and servicing activities for early planning and optimization

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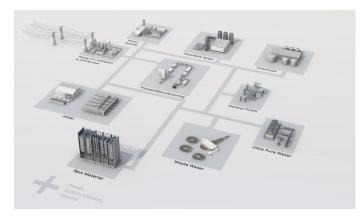
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Innovation In FMCS – Facility Monitoring and Control System Definition and Scope

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The FMCS supports the plant infrastructure such as HVAC systems and utilities.

- Ultra Pure Water (UPW)
- Waste Water Treatment (WWT)
- Gases and Chemicals
- Medium-voltage distribution
- Low-voltage distribution
- Building technology

Fire / Safety

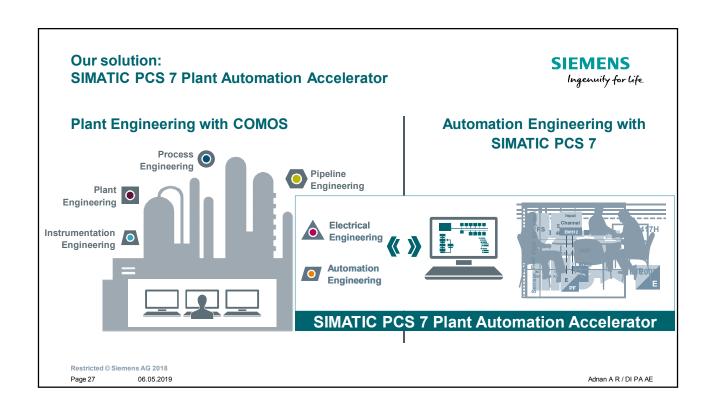
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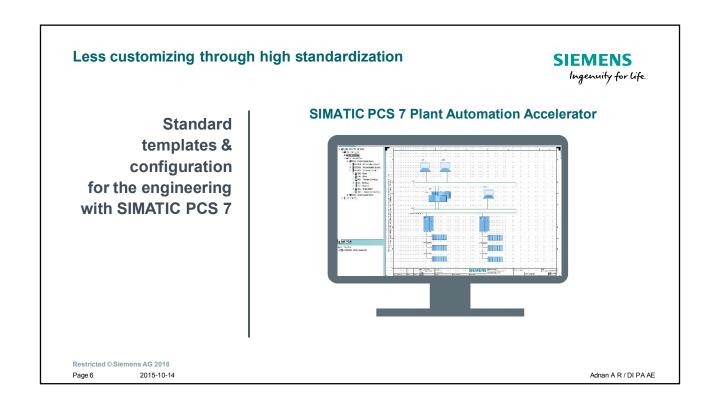
Highly automated Facility Monitoring and Control Systems provide for consistent operating conditions, minimal downtime and low maintenance cost.

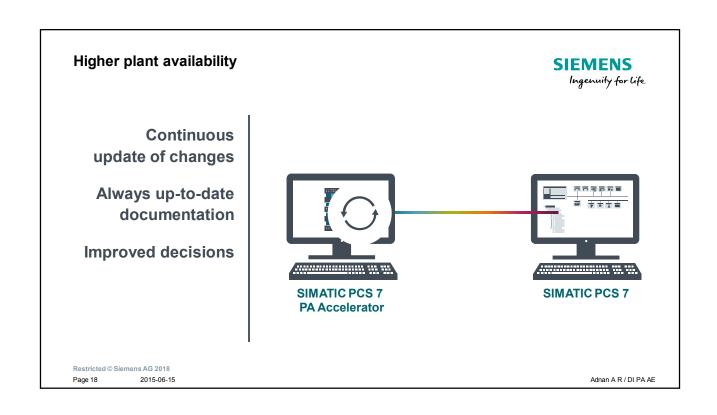
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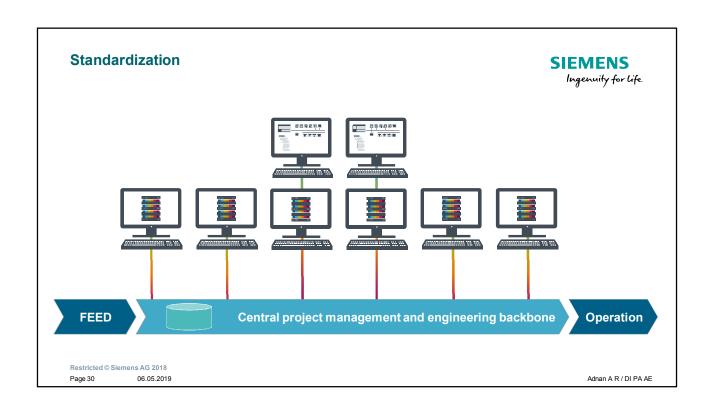
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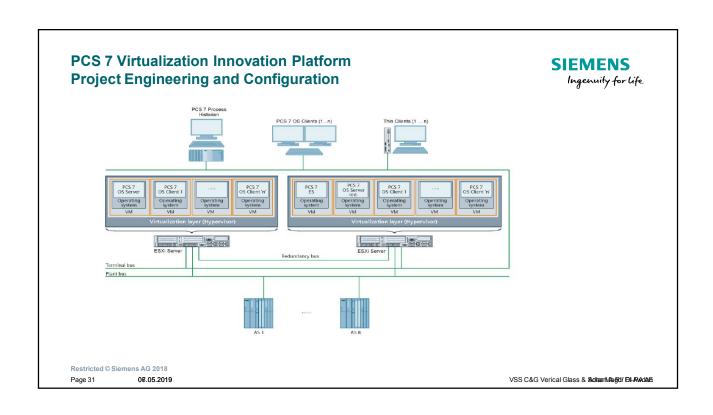
VSS C&G Verical Glass & Sadhaam Mar@dii Ell-ARAdalii



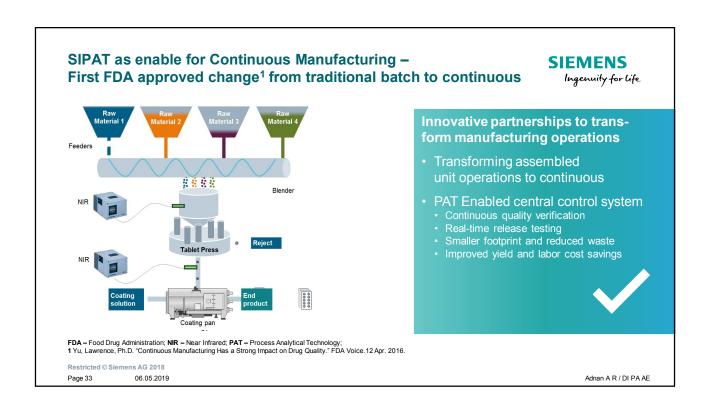


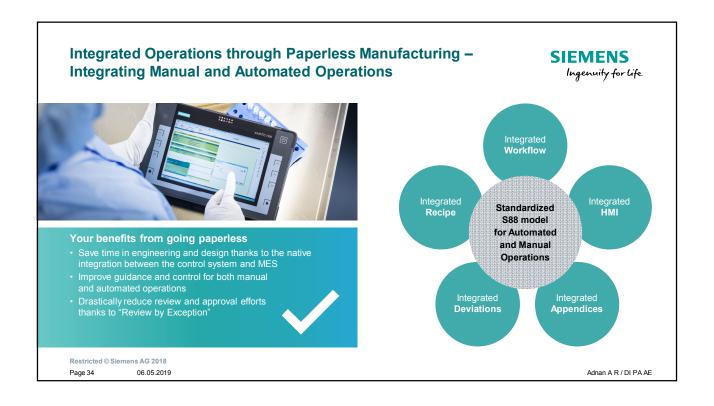


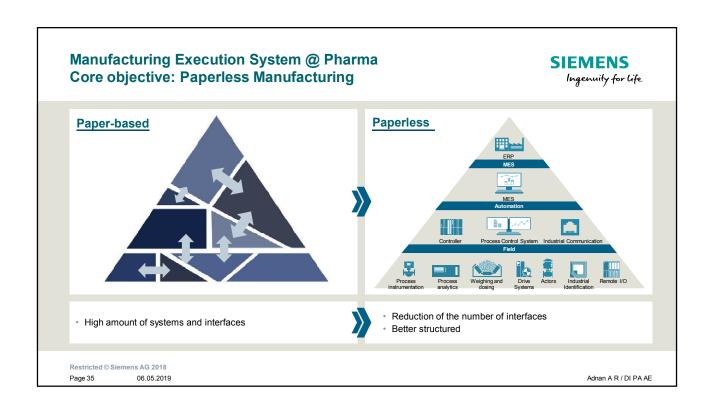


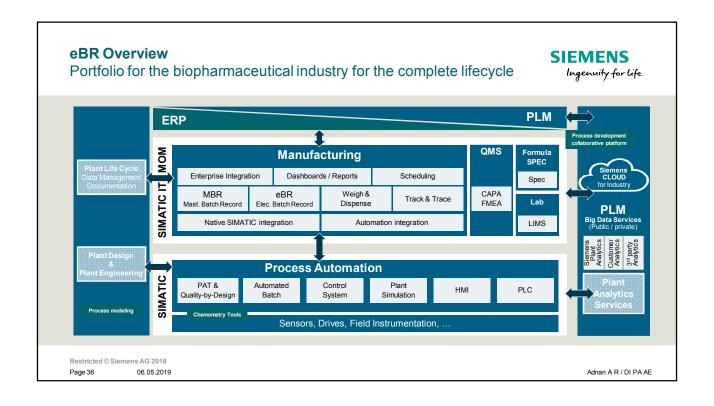






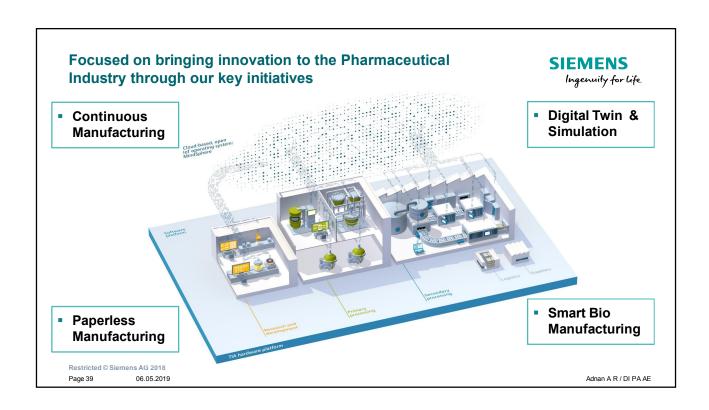




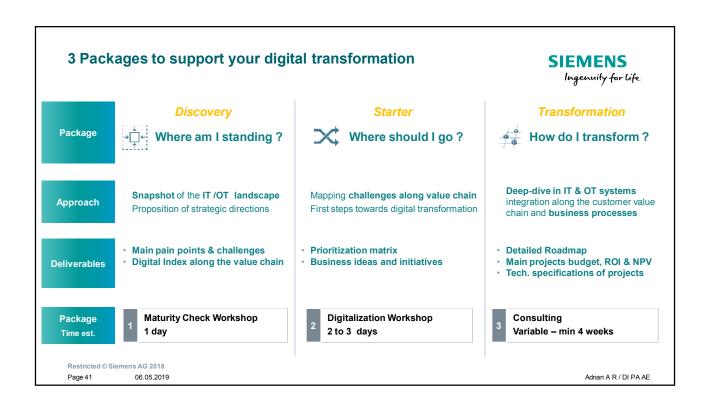


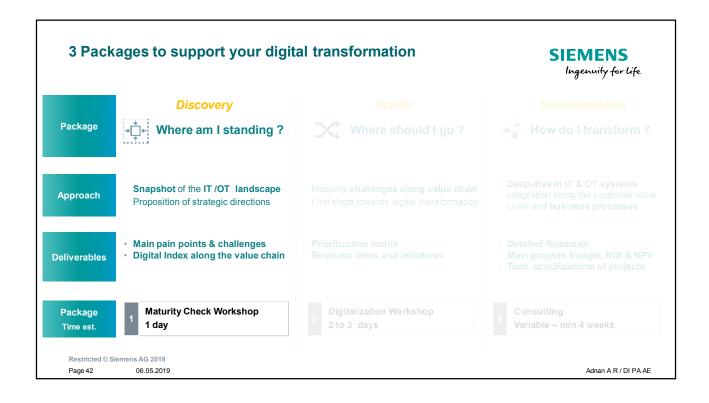


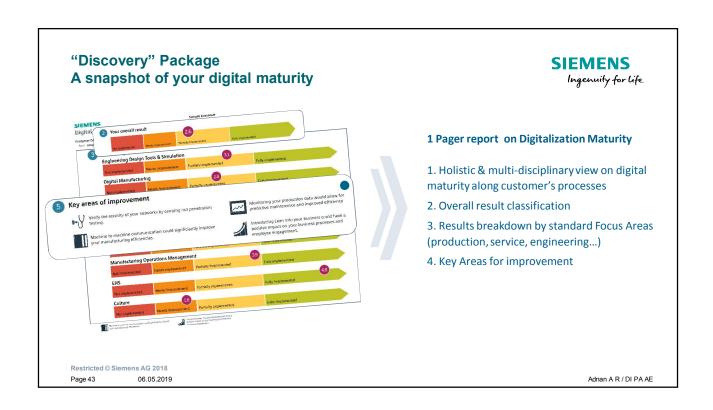


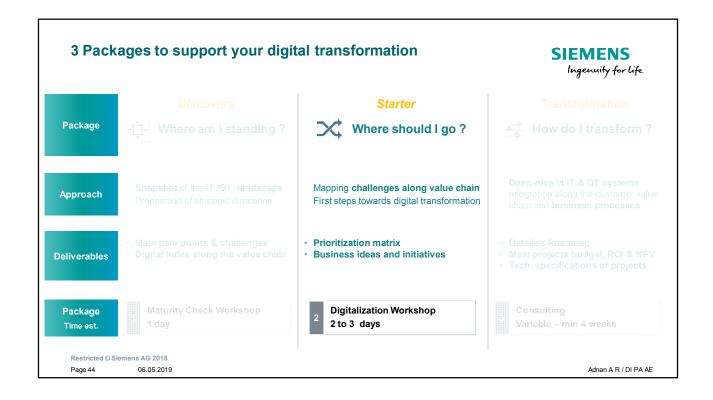


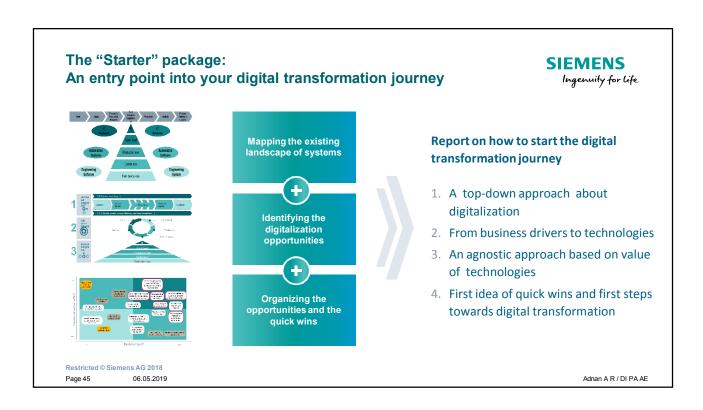


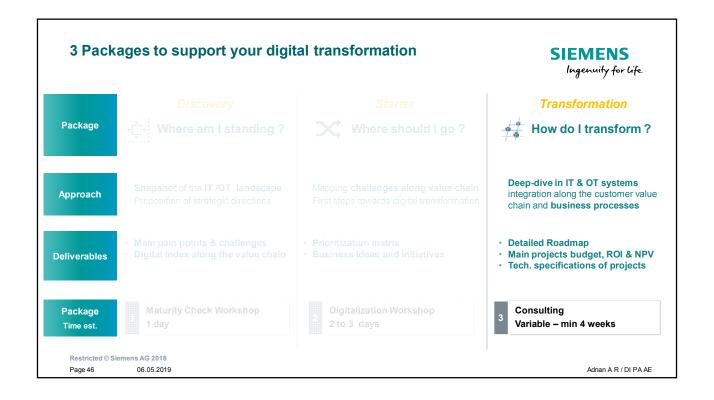












"Transformation" Package: Engage the digital transformation

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"Personalized Digital Transformation Manual" From Vision to Action

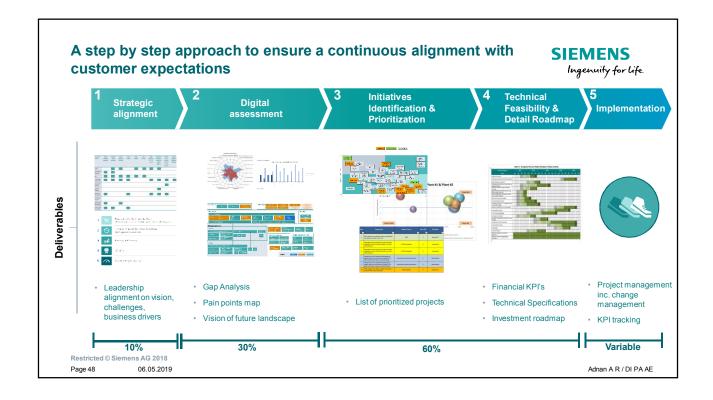
- Top-down approach to turn customer's digital strategy & vision into implementable actions
- 2. Roadmap tailored to existing installed-base
- 3. Concrete masterplan with priorities, project details & cost estimate (inc. financial KPI's)
- 4. Vendor neutral

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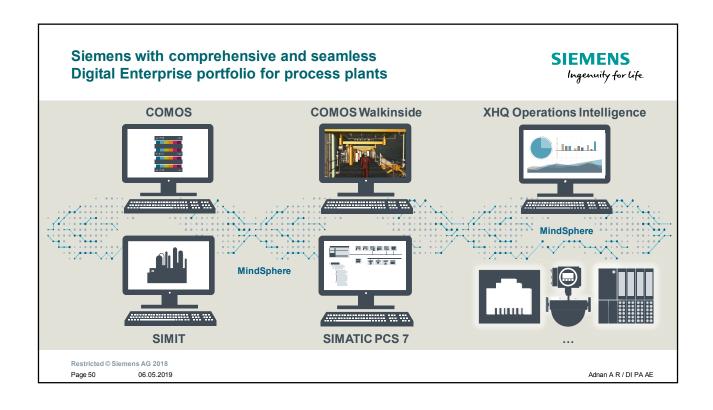
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Let's drive the Digital Enterprise together





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