

# Closed Loop Manufacturing in real life Live demo!

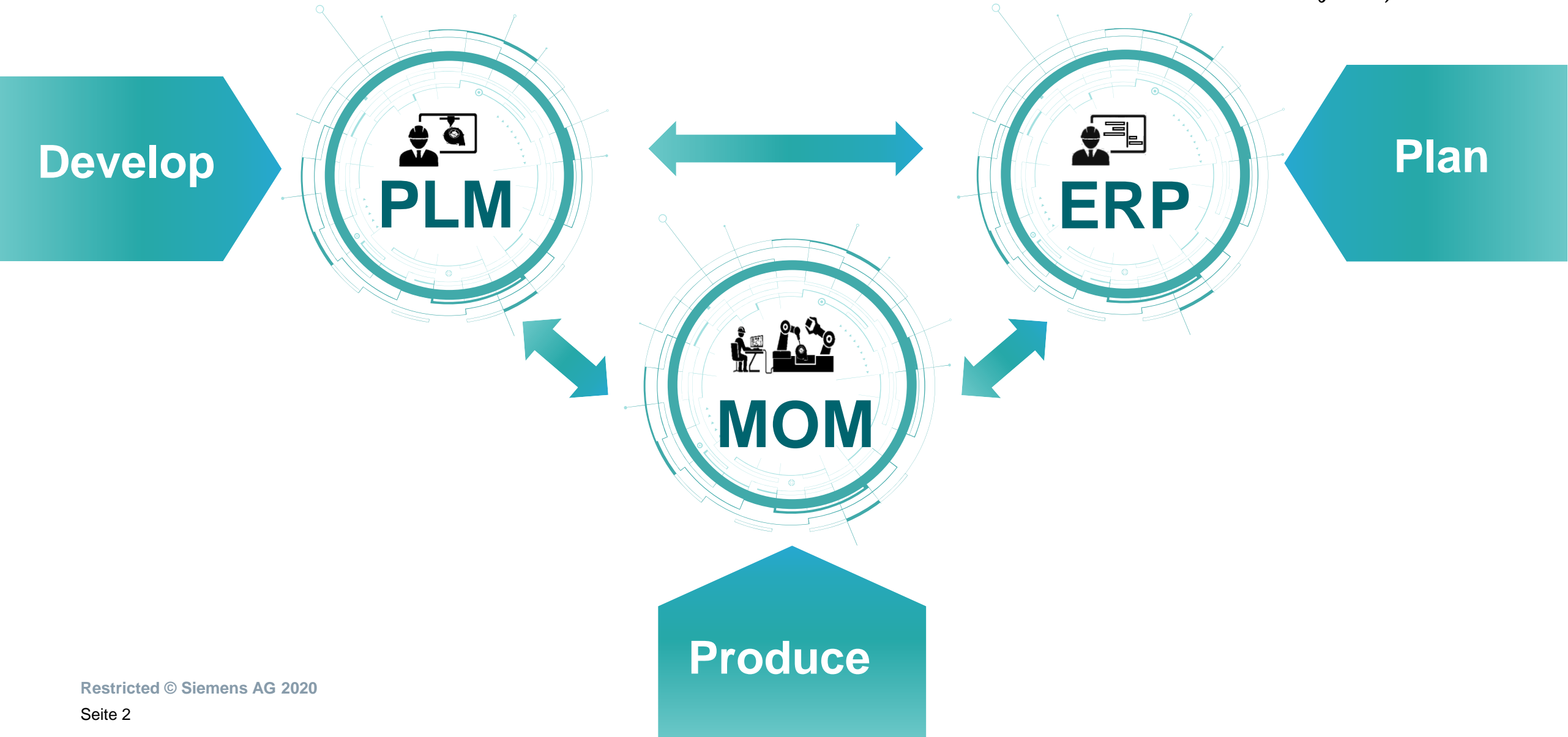
Siemens Industry Software GmbH



# Closed Loop Manufacturing

The key to End-to-End digitalization

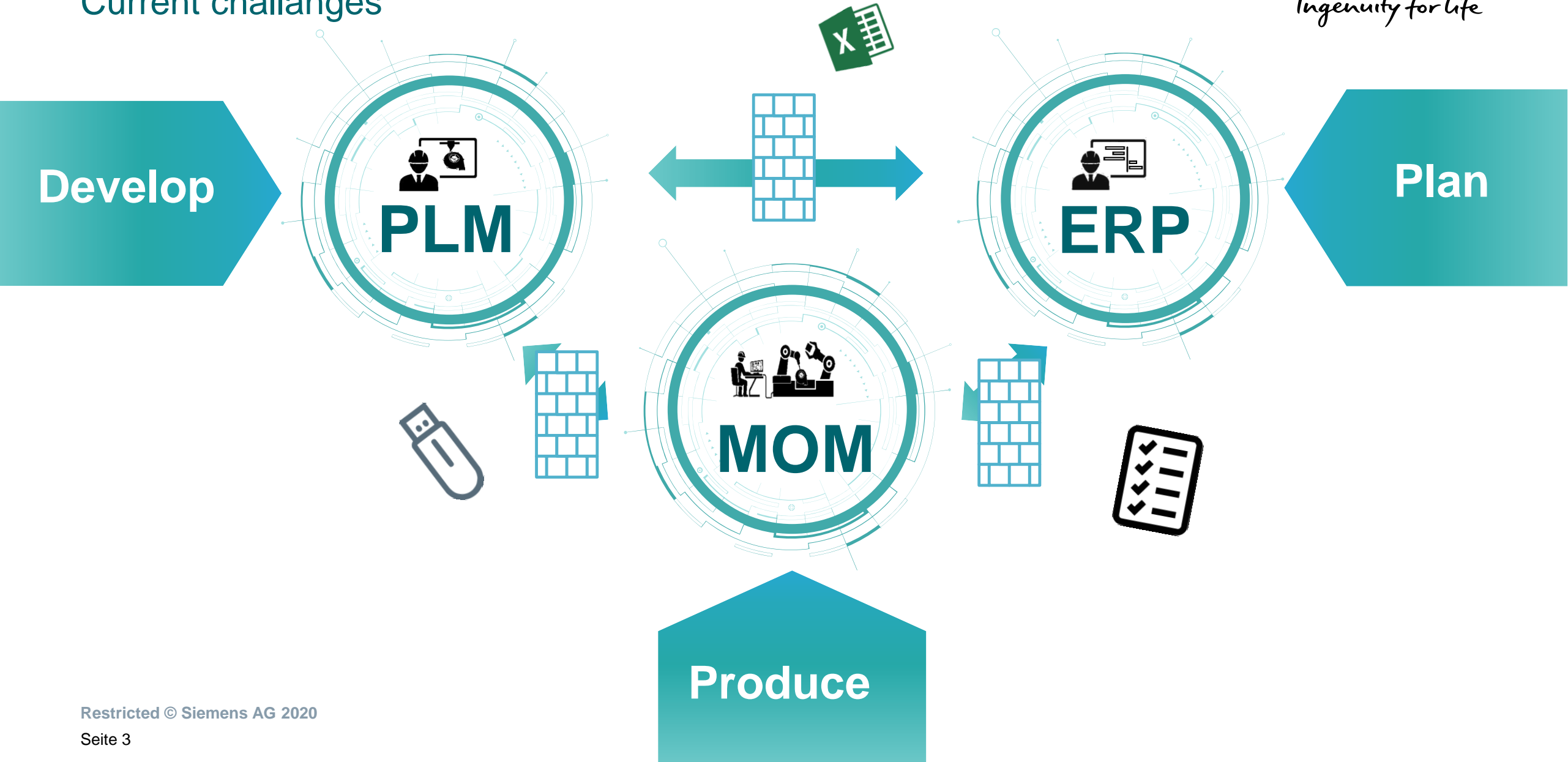
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# Closed Loop Manufacturing

## Current challenges

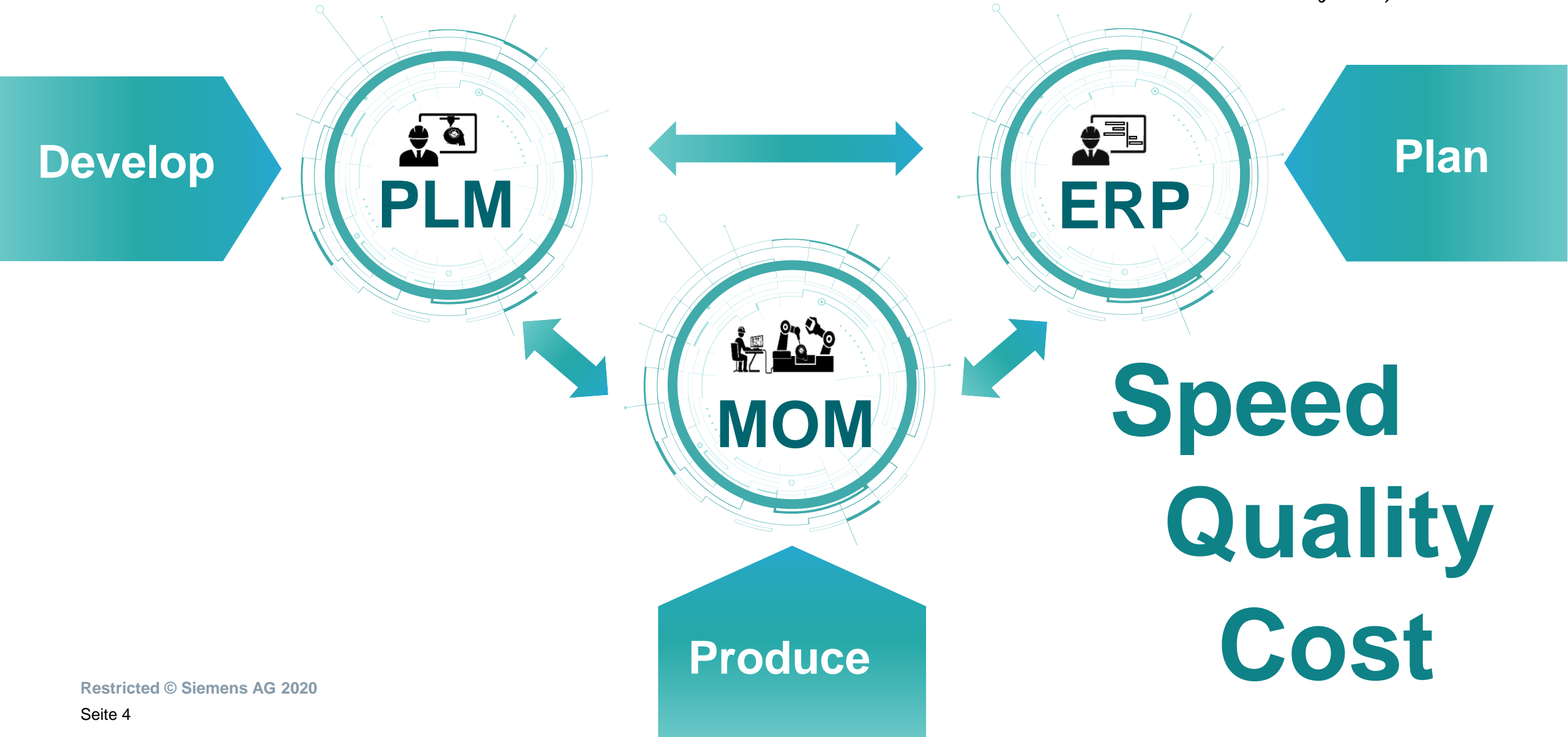
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The key to End-to-End digitalization

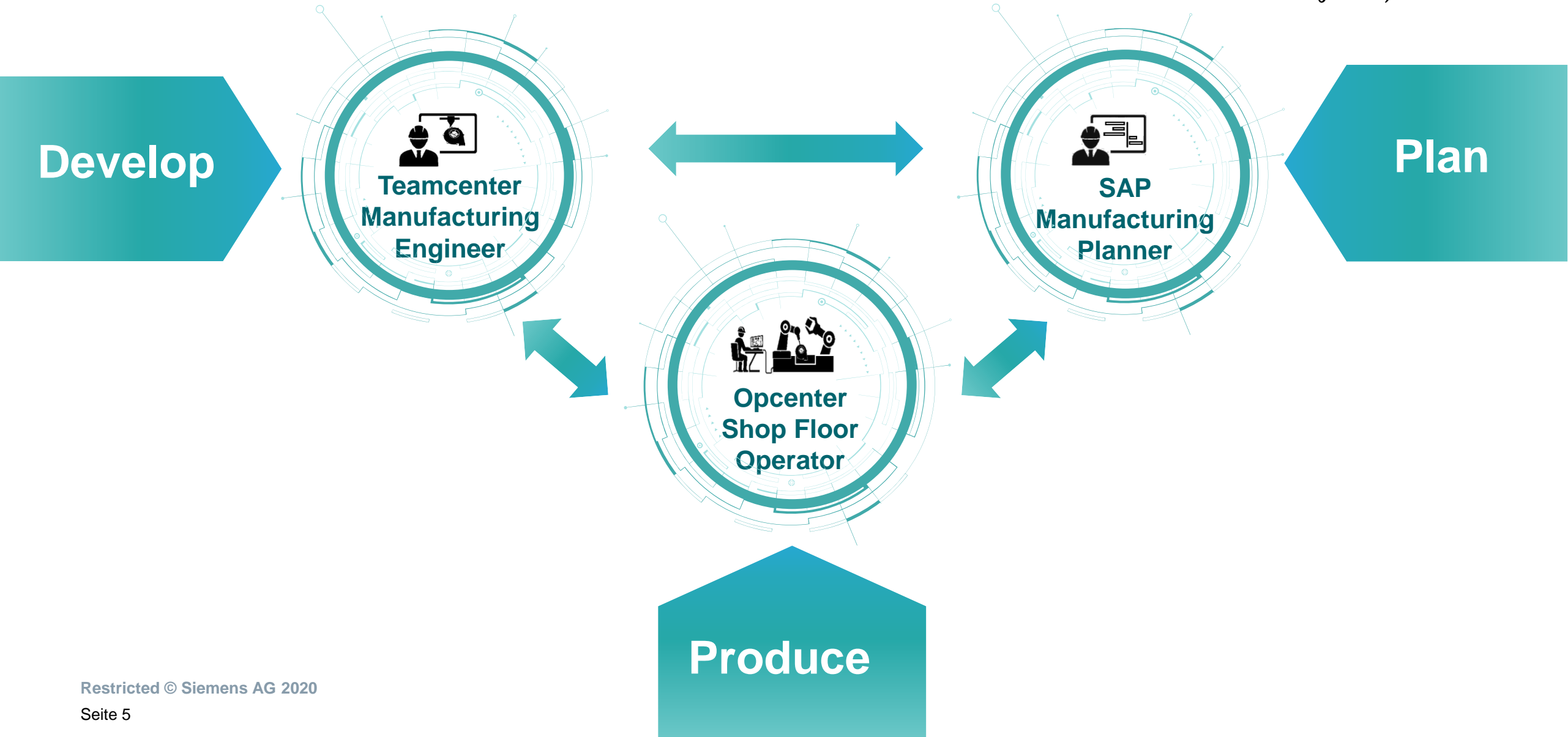
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## Teamcenter Manufacturing Engineer



**Johan Nordling**

My main task is to prepare new or changed parts for manufacturing.

That means creating operations with correct time and sequence, assigning parts and resources and updating work instructions.

I work in close collaboration with Design to find potential problems early.

My current project is this landing gear.





**Udo Buschbeck**

My main task today is represent several roles working in SAP making sure needed data is created correctly.

That means creating production orders, following up production execution and goods movement.

**Production Order Create: Operation - Details**

Order: 000000000001 Type: ID01  
Material: 50085338 Landing-Gear M2020-001 Pnt: 1000  
Operation: 0010 / Prepare Seq.: 0  
Work Center: AC-405 / 1000 Control Key: PP08 Operation ID: A0000001  
System Status: REL Confirmation: 0

General StandardVals Ext. Processing Interop. Times Standard Value Calc.

**Standard Values**

Base Quantity	1
UoM Operation	PC
Break	
Setup	
Machine	
Labor	6 MIN

**Conversion of Units of Measure**

Rtg	1	Equal to	Operat.	1
Unit	PC		Unit	PC

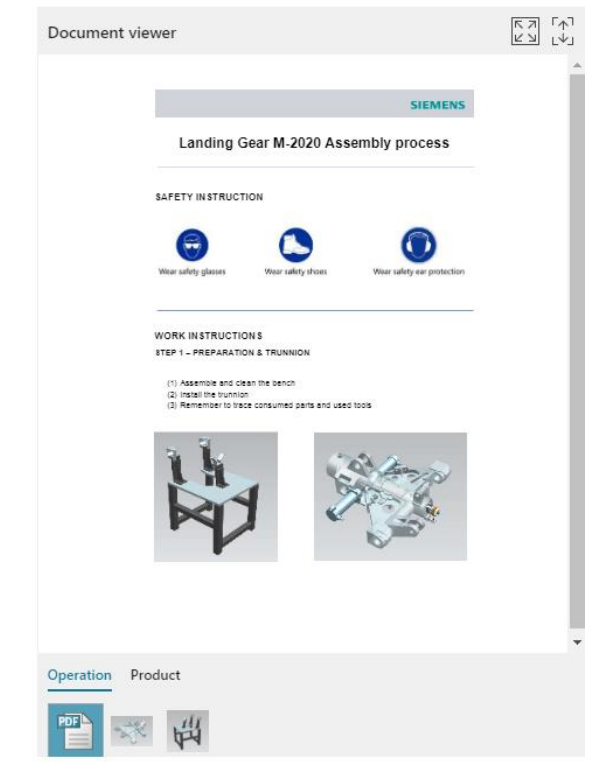


**Mikael Palm**

I work at the shop-floor, assembling our products in a station at the line.

I perform the steps indicated in the instruction and confirm the order completion.

If I come across problems at work, I issue a non-conformance report.






# Closed Loop Manufacturing

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**Develop**



**Teamcenter  
Manufacturing  
Engineer**

**Preparation of the  
manufacturing process  
in Teamcenter**



**Opcenter  
Shop Floor  
Operator**

**Produce**

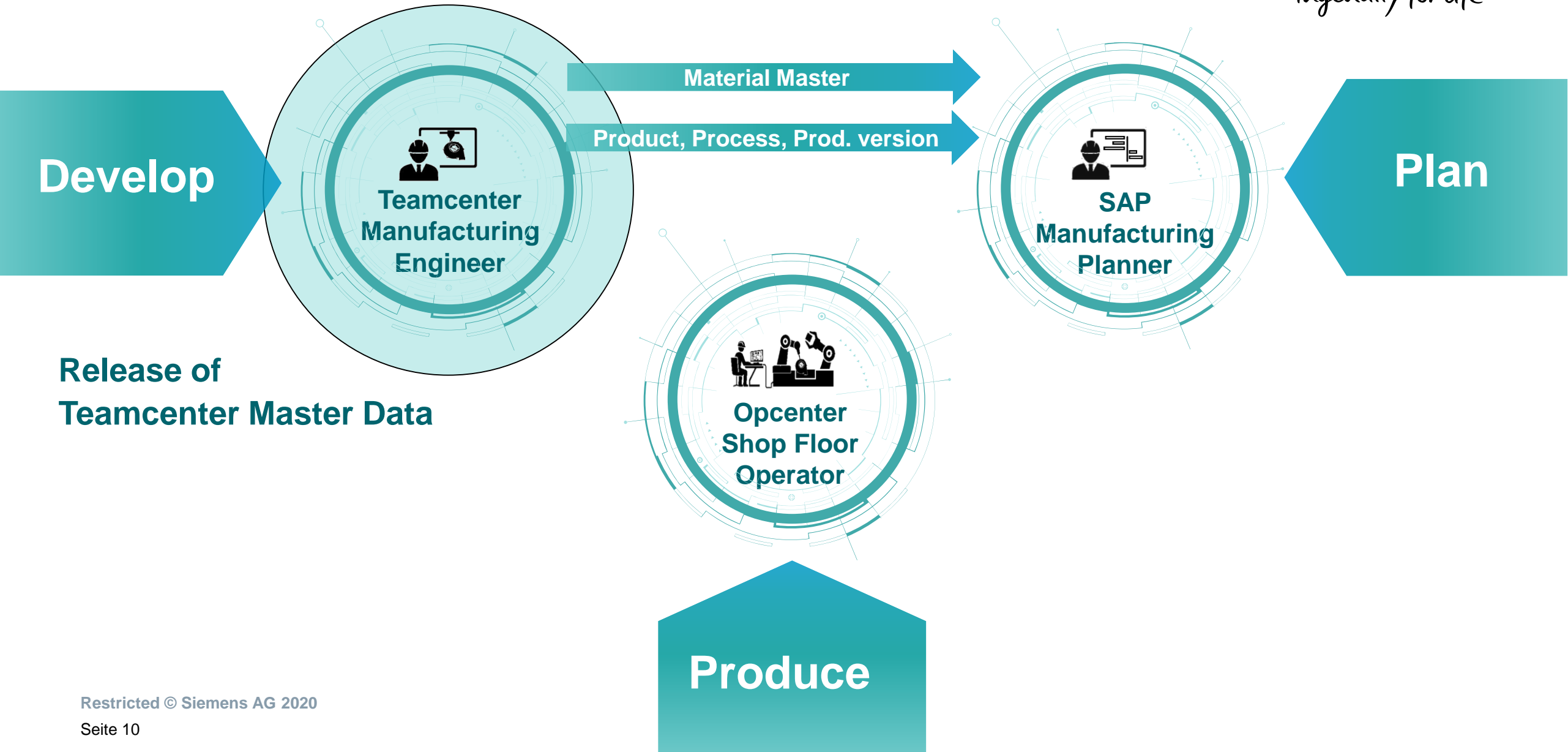


**SAP  
Manufacturing  
Planner**

**Plan**

# Closed Loop Manufacturing

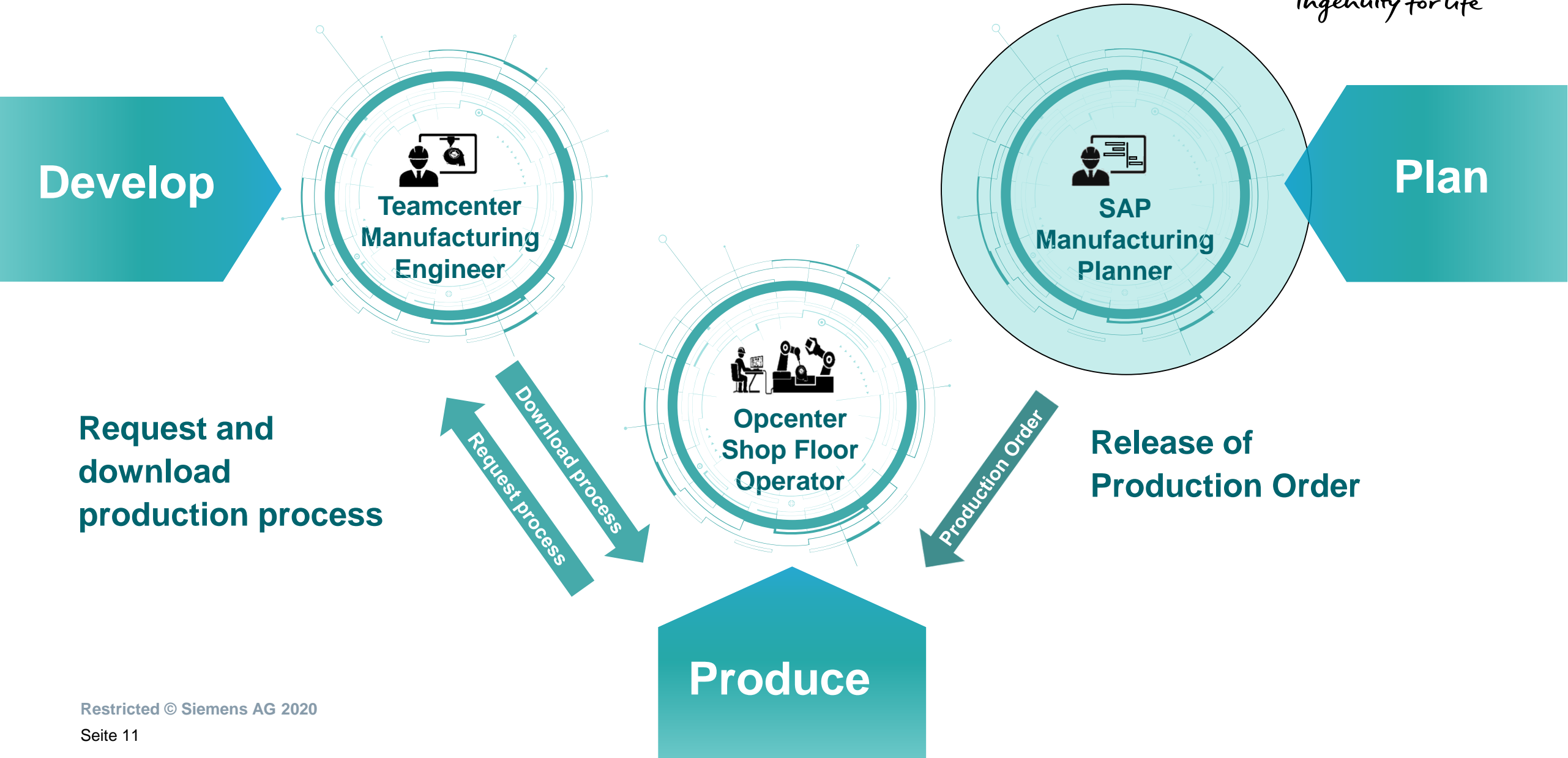
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**Release of  
Teamcenter Master Data**

# Closed Loop Manufacturing

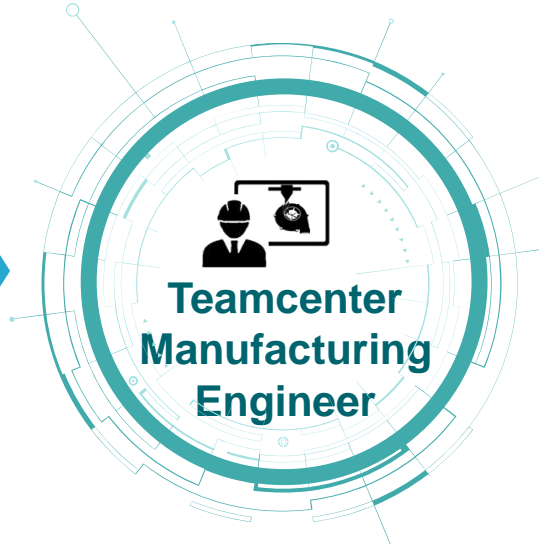
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# Closed Loop Manufacturing

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**Develop**



**Plan**



**Opcenter  
Shop Floor  
Operator**



**Confirmation**

**Start and complete  
Work Order Execution  
in Opcenter**

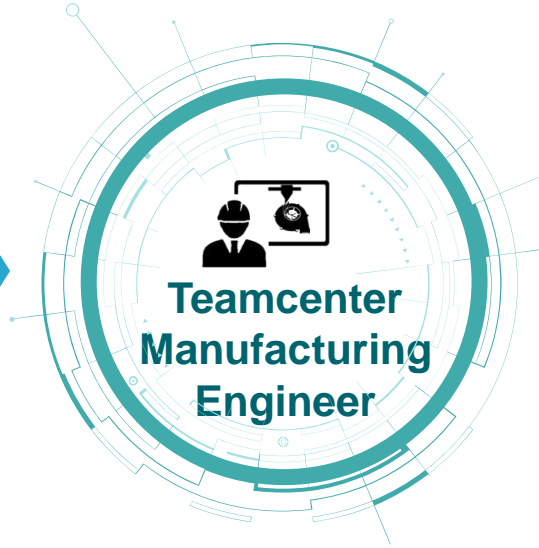
**Produce**



# Closed Loop Manufacturing

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**Develop**



**Plan**



**Opcenter  
Shop Floor  
Operator**



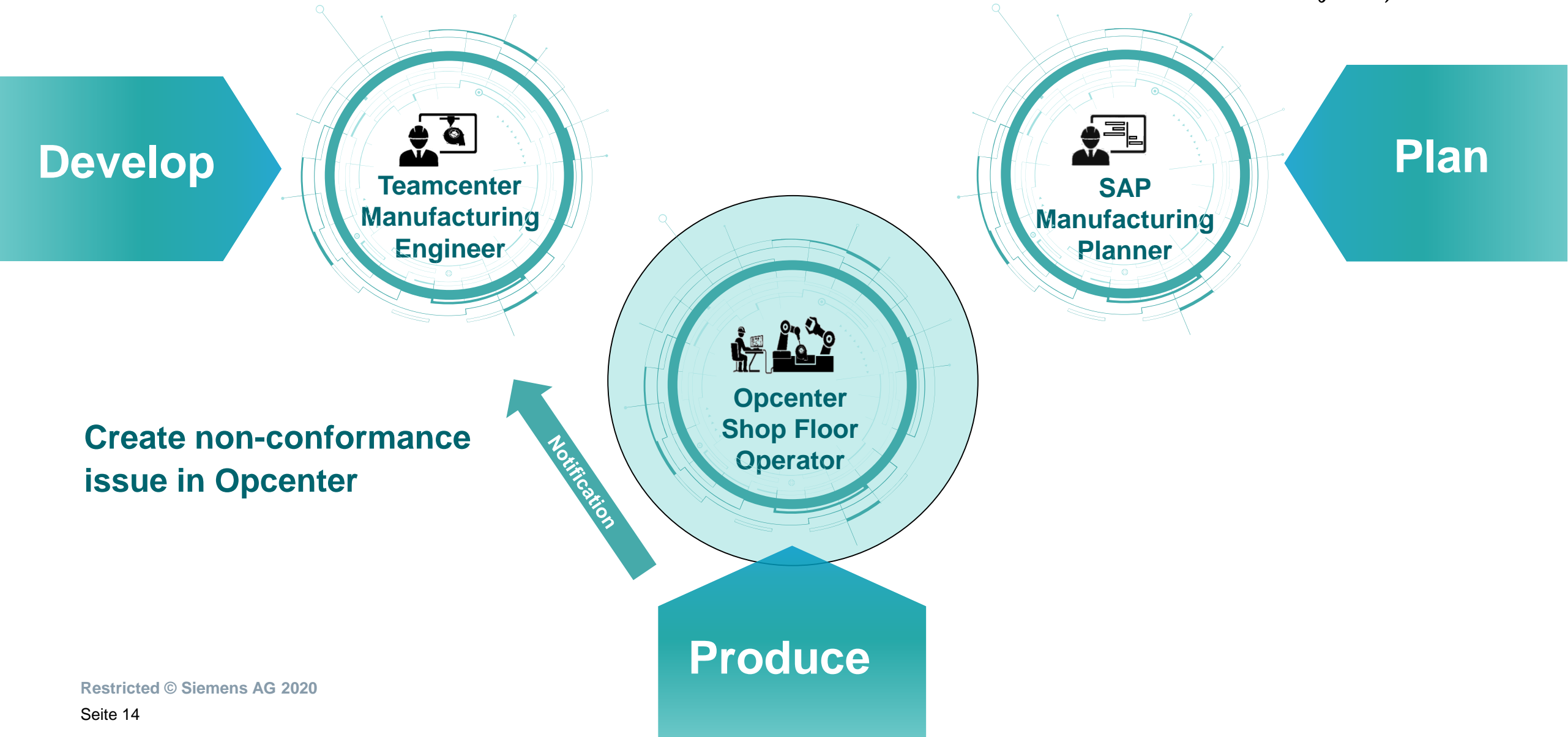
**Show execution  
confirmation in SAP**

**Confirmation**

**Produce**

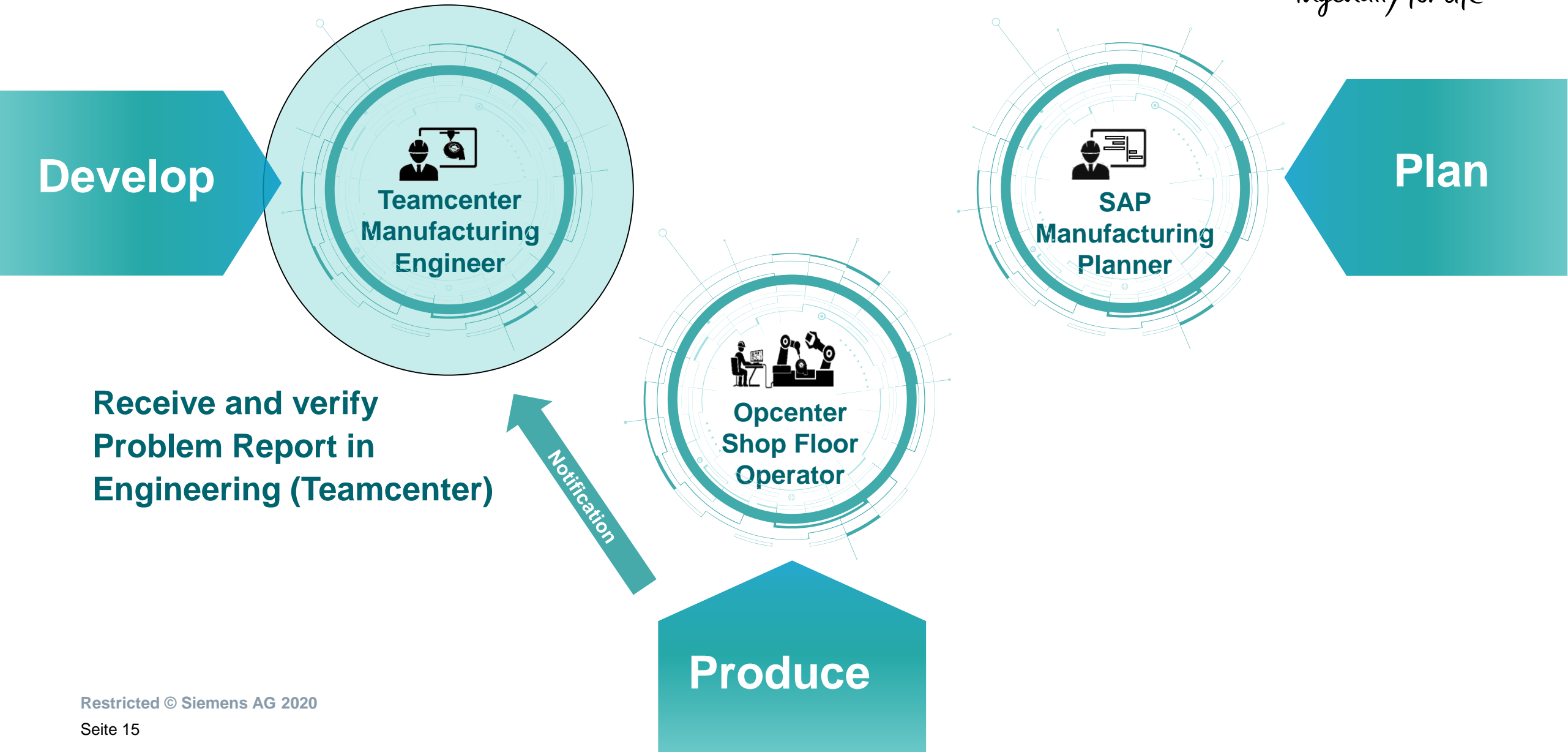
# Closed Loop Manufacturing – Non Conformance Loop

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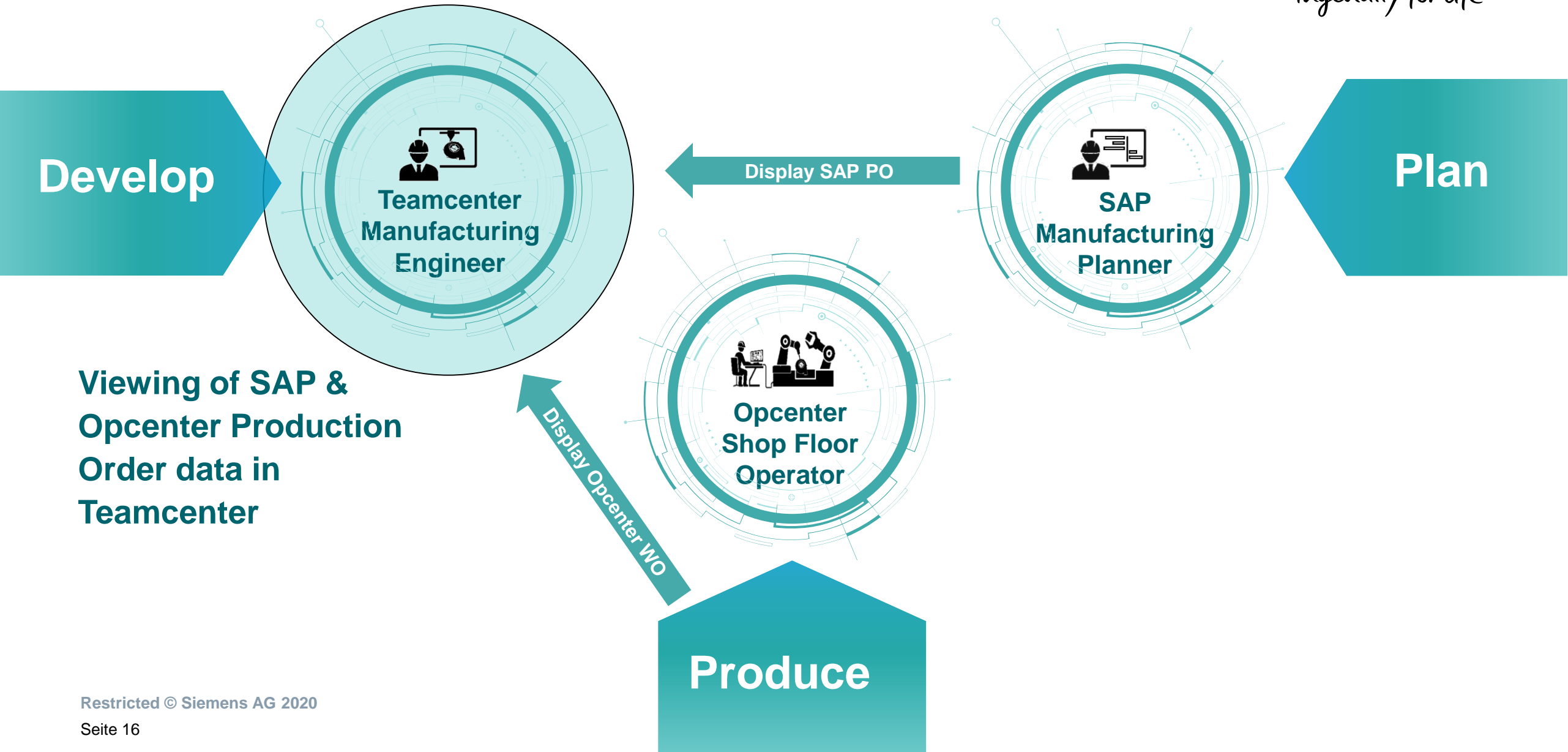
# Closed Loop Manufacturing – Non Conformance Loop

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# Closed Loop Manufacturing

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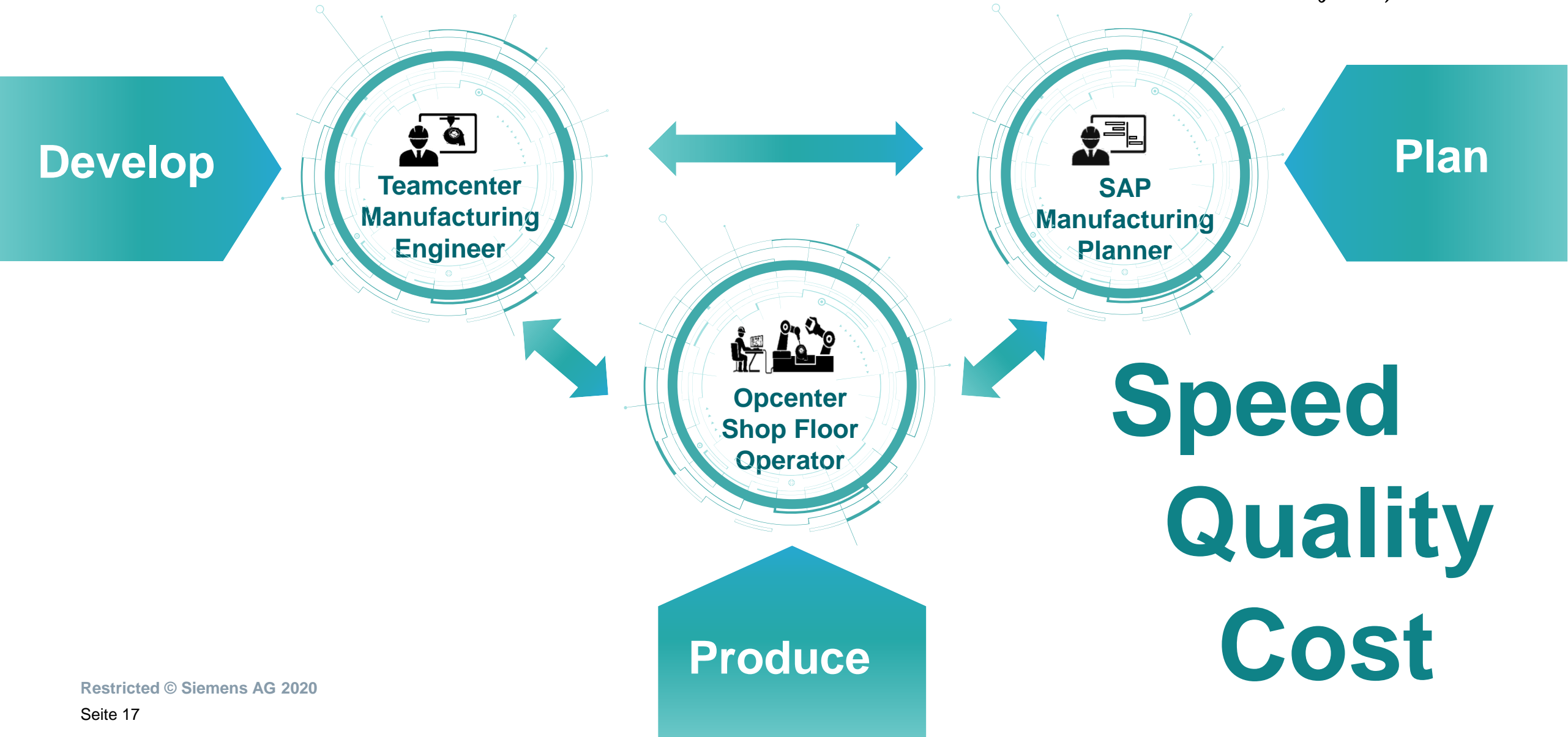




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**Thank you.**