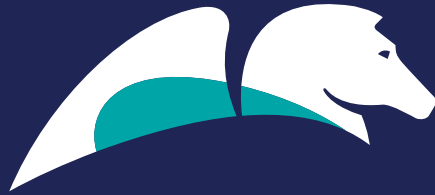


# Siemens And Pega On The Way To Global End-to-end Digitization

Jürgen Schönenborn  
Program & Integration Manager Pega  
Siemens AG



PW  
19



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Build for Change<sup>®</sup>

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# 170-Year History

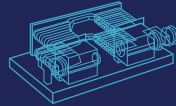
1816 – 1892

Company founder,  
visionary and inventor



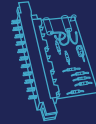
1866

The dynamo makes  
electricity part of  
everyday life



1959

SIMATIC makes  
Siemens a leader in  
automation  
technology



1983

First magnetic  
resonance imaging  
scanner goes into  
operation



2012

Test operation of the  
world's largest rotor  
for offshore wind  
turbines

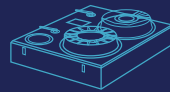


Werner von Siemens

Siemens innovations over the past 170 years

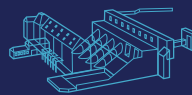
1847

Pointer telegraph  
lays the  
foundation of  
Siemens as a  
global company



1925

Siemens electrifies  
the Irish Free State  
with a  
hydroelectric  
power plant



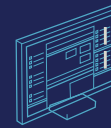
1975

Breakthrough of  
high-voltage direct  
current (HVDC)  
transmission



2010

TIA Portal takes  
automation a  
stage further



2016

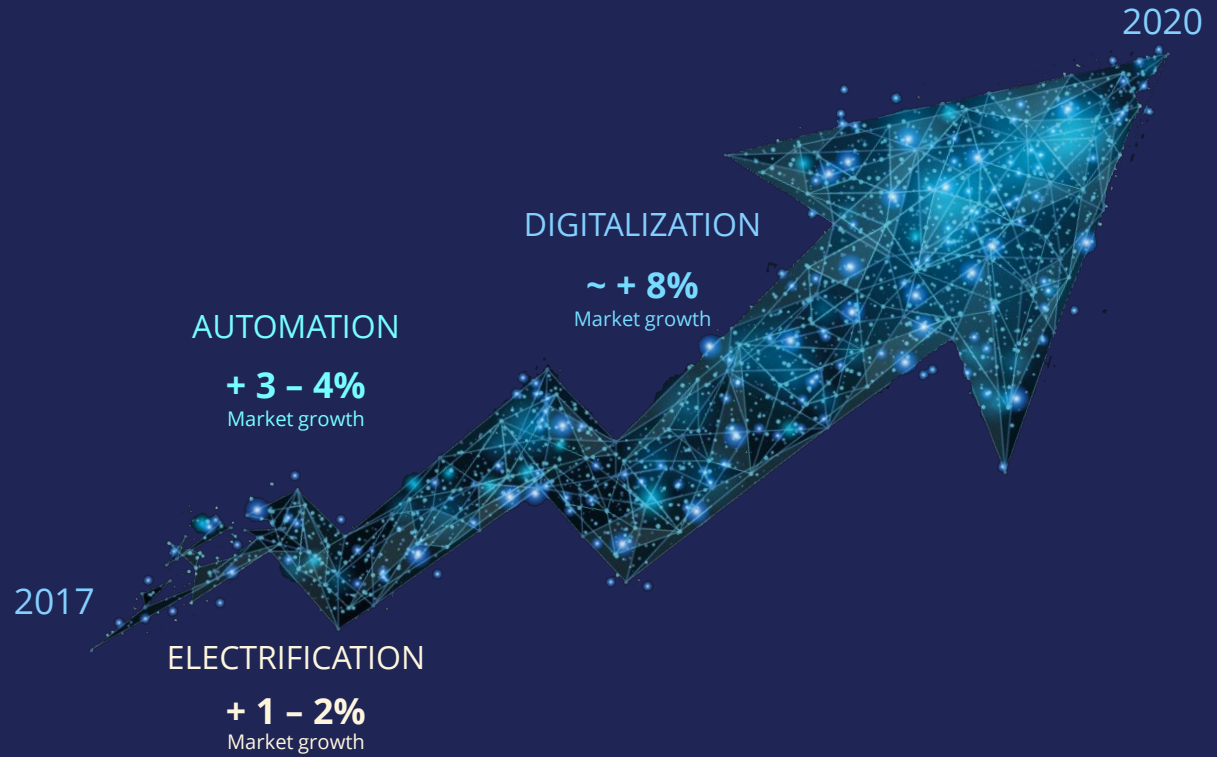
MindSphere  
introduced as the  
digitalization  
platform for all  
industries





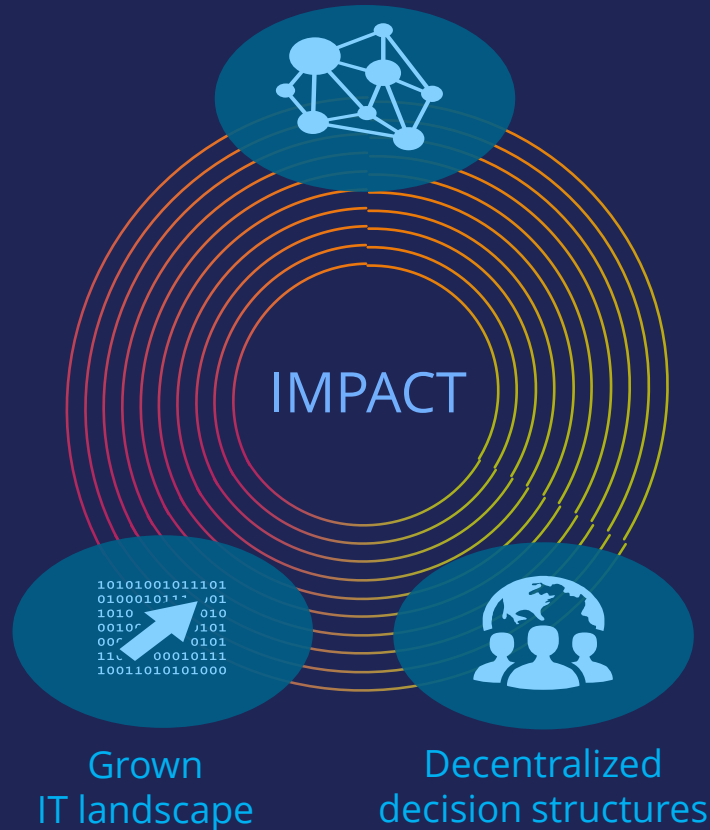
## GLOBAL TRENDS

- DIGITALIZATION
- DEMOGRAPHIC CHANGE
- GLOBALIZATION
- URBANIZATION
- CLIMATE CHANGE



# Vision 2020 is our strategy

## Heterogeneous businesses



**CoE**



**Excellence  
Efficiency  
Consistency**

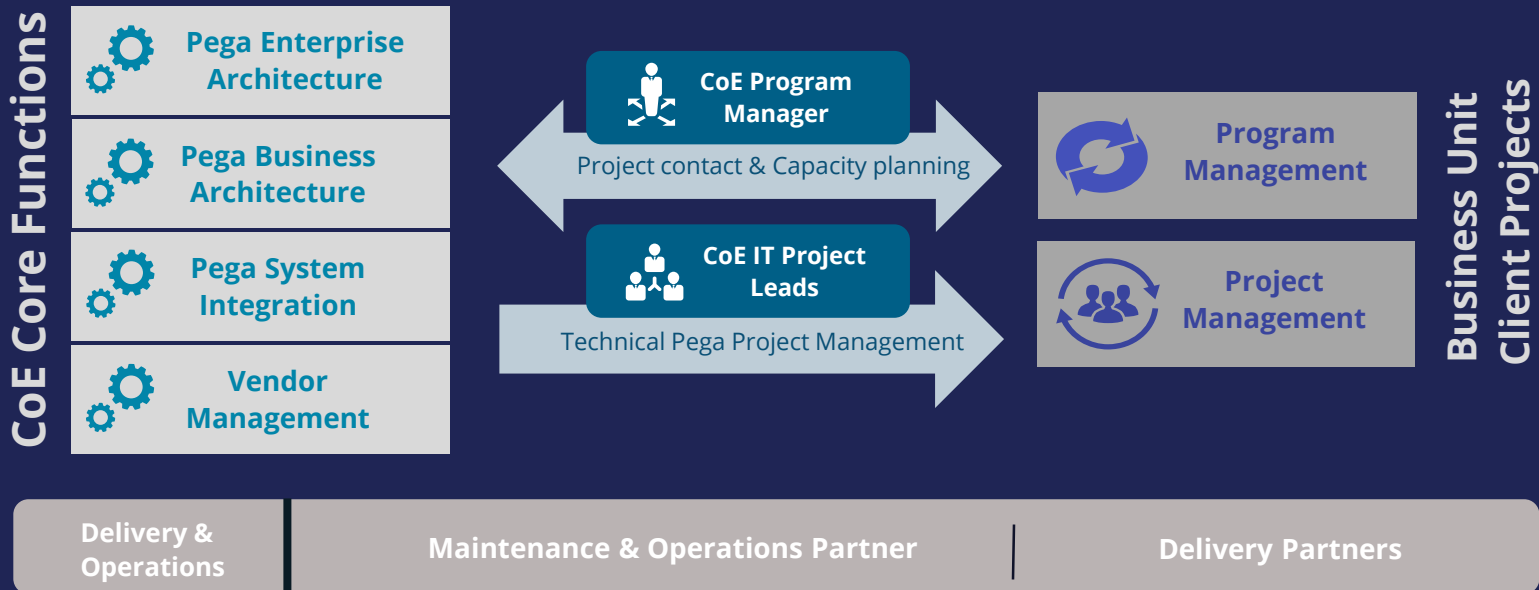
Ensure e2e excellence, efficiency and consistency – the Siemens / Pega CoE in a multidimensional ecosystem

- ▶ 1 Business strategy alignment
- ▶ 2 Global scope & regional needs
- ▶ 3 High diversity of e2e-use cases
- ▶ 4 Business division & corporate needs
- ▶ 5 Business agility & increase of speed
- ▶ 6 Regulatory & compliance needs
- ▶ 7 Operations & delivery stability
- ▶ 8 IT-Strategy & digitalization goal

# Pega CoE organizational structure

## Service Management

## Advisory Boards (Change / Architecture / ...)



# End 2 end process optimization

Evolve instead of reinventing the wheel

Current challenges

## Teams are structured in "Silos"

each team is responsible for specific parts of global process, process is split in several teams and managed in different Service Lines



## Missing E2E awareness

expertise in specific processes, but lack of understanding and knowledge of full process; How my work could impact the next activity?



Benefits

## Single Team

### Unique End to End team

concentrating biggest part of activities, process/customer ownership

## Improve customer intimacy

### One interface to divisions and to customers

single place with all information, single platform to work with.

## More value and transparency

### Enable end to end analysis

with correlation of financial and logistic data, **One E2E process owner**



# End 2 end process optimization

## System-supported automation and orchestration

Current challenges

### Lack of System Integration

Demands placed to suppliers with manual efforts and only focusing on a single Operational Procurement System



### Ex-Post verification of data

Supplier Qualification "after" the registration fact causing efforts in case of SQ non-conformity

### Operational Procurement Systems

- ERP Systems
- Project Procurement Systems
- PLM Teamcenter Systems
- Other IT platforms



Strategic Procurement System

Category/Commodity Strategy & Supplier Segmentation

RfI/RfQ

Auction

Contract

Supplier Qualification

Supplier Evaluation

Supplier Development

Benefits

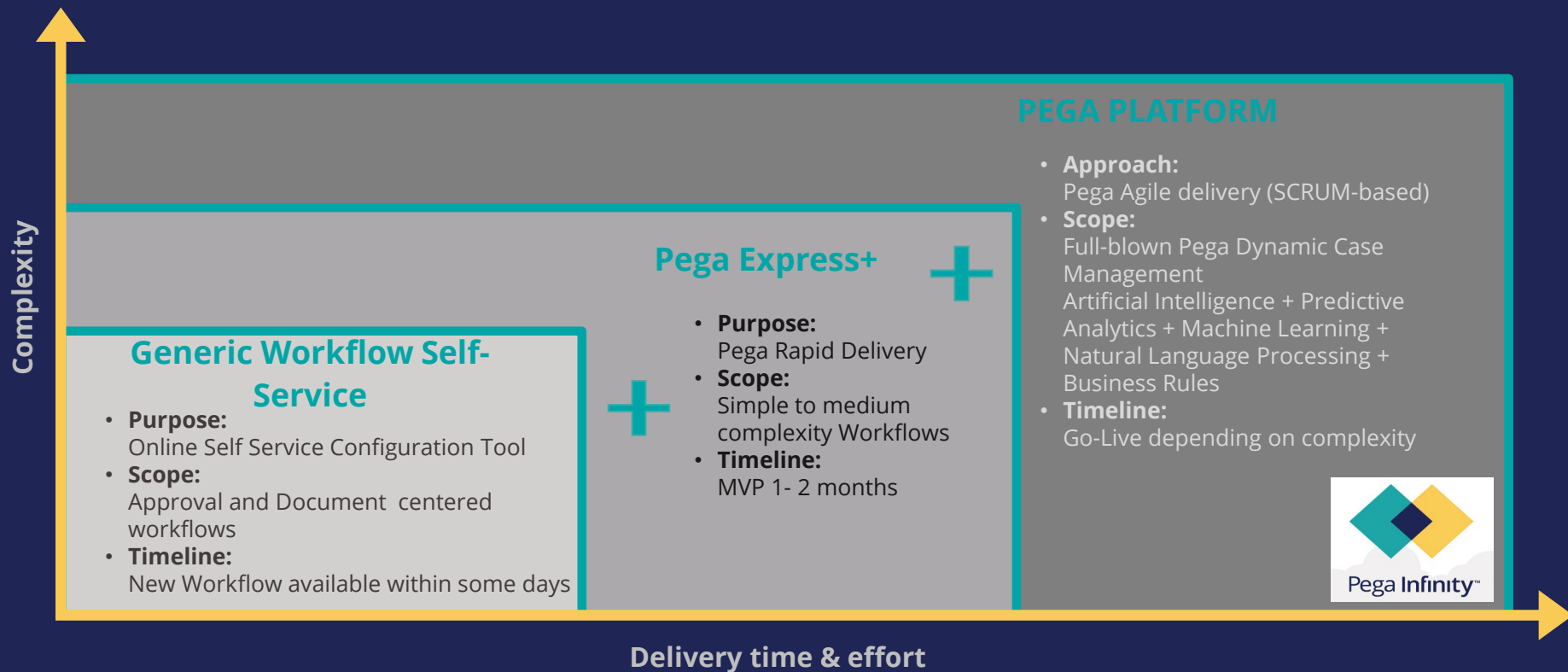
### Building the "System" Bridge

One UI for the SCM user to gather demand information across systems and transfer it for eRfX purposes

Gathering Business-related data on transactional basis

Flexible content gathering based on Business rules and field content directly entered by supplier

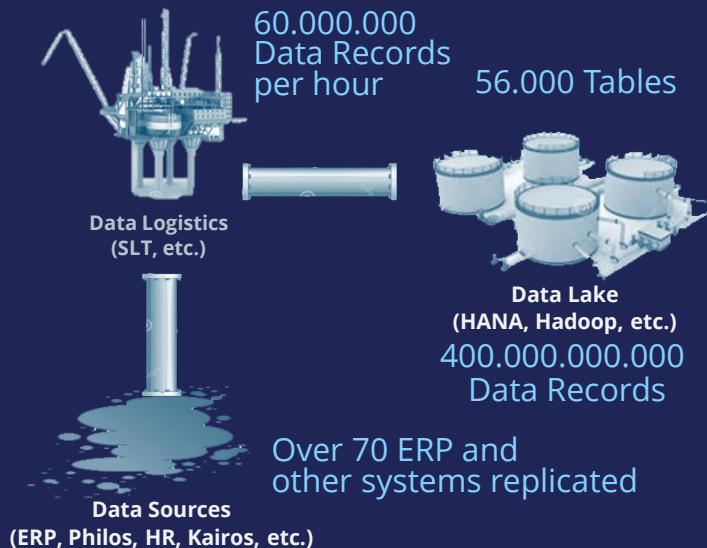
# Pega - e2e service offerings



# Data is the new oil:

Upstream and Downstream of Dash Siemens Data Lake – One of the largest SAP HANA landscapes in the world

## Upstream – Data Logistics



## Downstream – Data Based Services



# Conclusion



## CHALLENGES

No central process governance

Competitive market for Pega Experts

From waterfall to agile projects

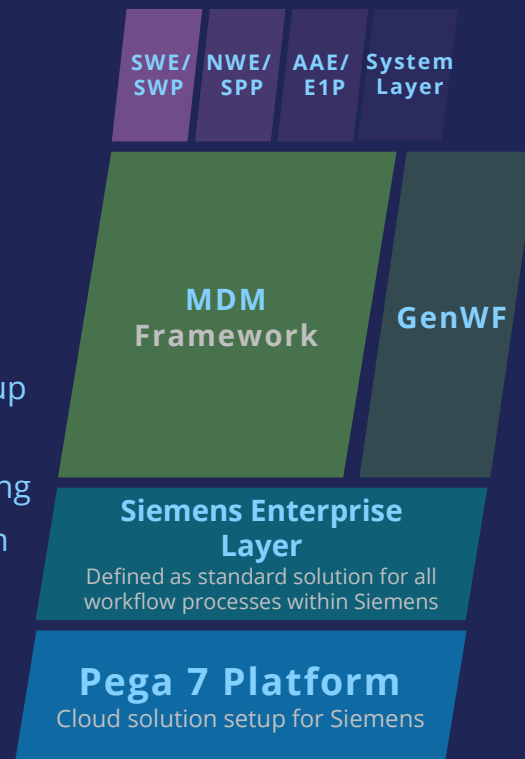


## LESSONS LEARNED

Start centralized, evolve to decentralized setup  
▶ scale up

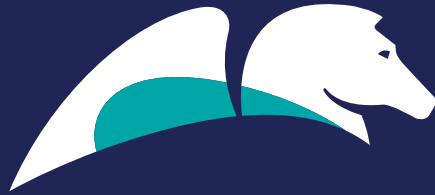
Integration is effort driver and time consuming  
▶ start in inception phase with analysis, plan time-wise and cost-wise

Layer cake is the lever for global end2end solutions



# Q&A





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