

# —□ Digital —□ Experience —■ Center

## SÉMINAIRE RÉVOLUTION NUMÉRIQUE, RÉVOLUTION INDUSTRIELLE : ENJEUX 4.0 ?

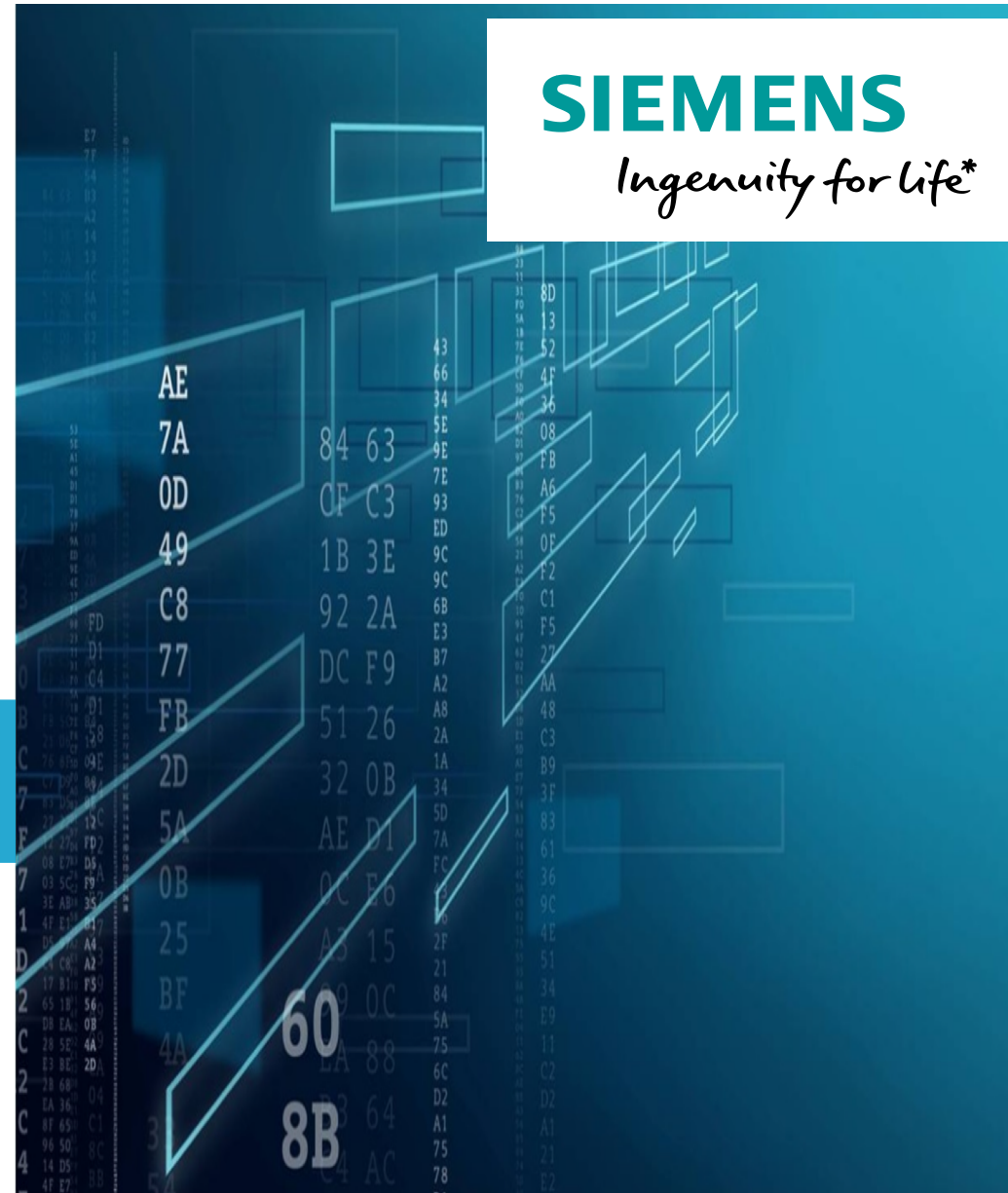
Novembre 2019

© Siemens SAS 2019

Page 1

**SIEMENS**

*Ingenuity for life\**



# Siemens Vision

## Digitalization is the next level to yield productivity

**SIEMENS**  
*Ingenuity for life*



Data analysis



Artificial intelligence



Simulation tools



Cloud and platforms



Secure networking



Cyber security

```
01001101101
10010111001
00111001011
01001101101
10010111001
00111001011
00111001011
```

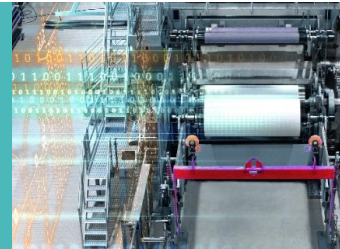
Digitalization



Next level of productivity



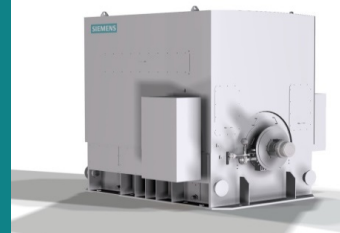
Automation



Siemens as experienced partner for Automation and Electrification



Electrification



Pioneer for Digitalization in industry

Time

## Siemens is one of the top 10 software companies in the world and #2 in Europe



#	Company		Software revenue 2017, in US\$bn
1	Microsoft		85.3
2	Oracle		37.4
3	SAP		24.4
4	...		14.0
5	...		8.4
6	...		7.1
7	...		6.3
8	...		6.1
9	...		5.5
10	Siemens		4.9
11	...		4.9

170,000

customers use PLM software (DI SW)

29 of the world's 30

largest carmakers use PLM software from Siemens

As do 18 of the 20 largest aerospace companies and all top 20 aircraft engine manufacturers

#2 Europe based SW player

€1 = US\$1,23; Source: Statista 2018/Siemens

© Siemens SAS 2019

Page 3

Laurent Mismacque

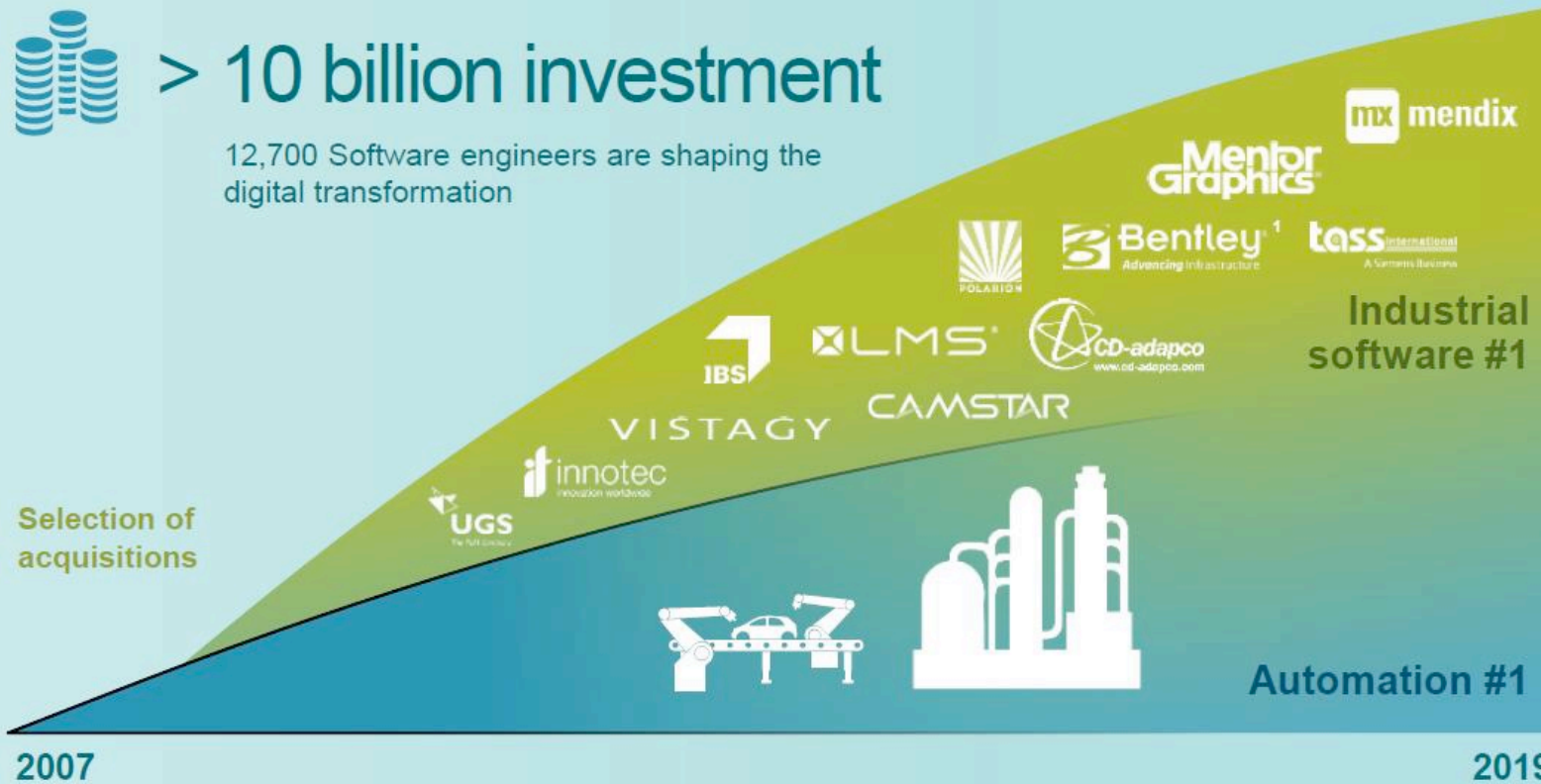
# Combining the real world with the virtual world Proven through the systematic expansion of our portfolio



## > 10 billion investment

12,700 Software engineers are shaping the digital transformation

Selection of acquisitions



Virtual world  
Software

Real world  
Automation

Automation #1

Industrial  
software #1

mx mendix

Mentor  
Graphics



Bentley<sup>1</sup>  
Advancing Infrastructure

tass international  
A Siemens Business



LMS



VISTAGY

CAMSTAR

innotec  
Innovation Worldwide



2007

2019

<sup>1</sup>) Cooperation

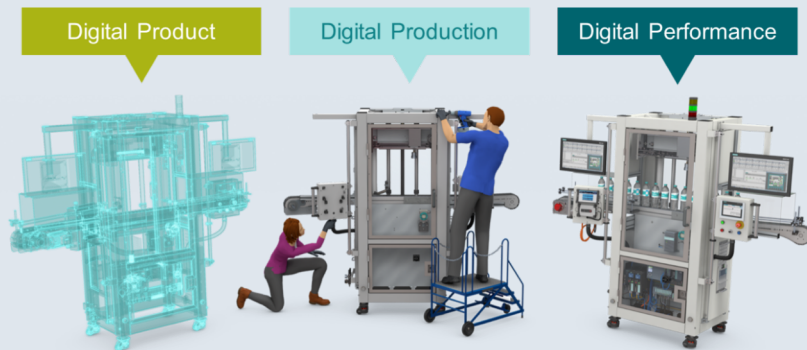


# Continuous improvement with the Digital Twin

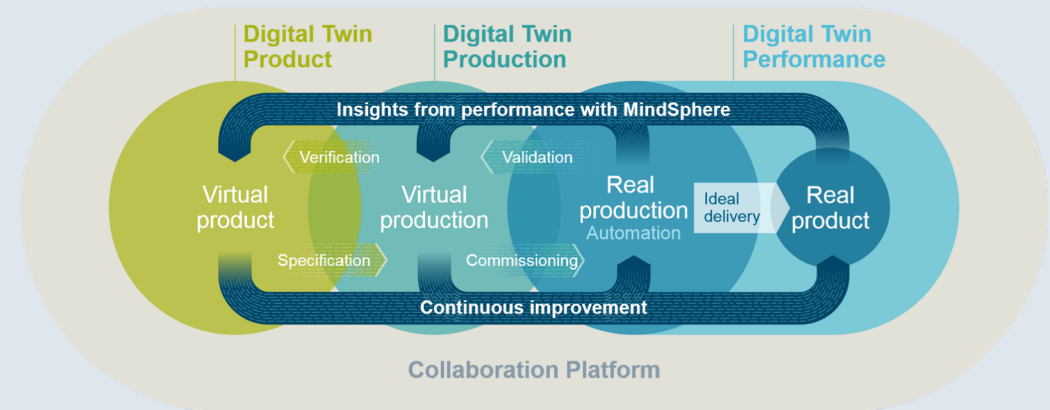
Helping innovators realize the power of digital thread



## Digital Twins for Every Phase of the Innovation Process



## Closed-loop Innovation with the Complete Digital Twin



## Digital Twins for:

Automotive



Mobility



Infrastructure

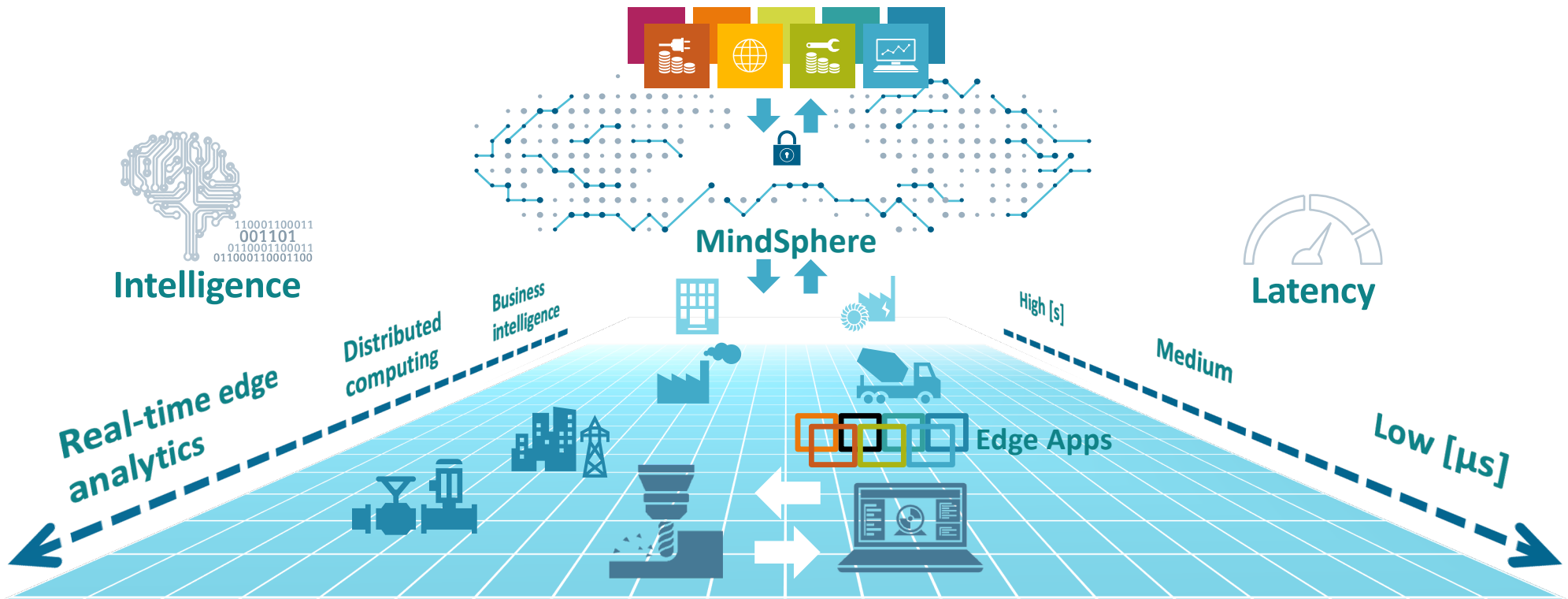


Industrial



# Siemens is accelerating world digitalization by creating an open standard in MindSphere Cloud and Industrial Edge solutions

**SIEMENS**  
*Ingenuity for life*



**Edge Devices will push intelligence into devices respecting their needs and boundary conditions**

# Digital Experience Center

Trust in your Digital Transformation



**SIEMENS** **list** cea tech

Atos cetim eit Manufacturing BRAIN CUBE  
AMIRAL CARFIT dizma ENERGY Picomto

A unique ecosystem to make it real

## A customized support to meet your goals

### DIGITAL EXPERIENCE

- 100% Machine availability
- 100% Conformant products
- 100% Optimized Processes
- 100% People Ownership
- 100% Optimized Resources

=

100% competitive

CEA TECH NANO-INNOV  
DIGITAL EXPERIENCE CENTER  
8, avenue de la Vauve  
91120 Palaiseau

Voice of the customer  
Strategic Goals & Initial status

1 – The 5 steps of a Digital Transformation

2 – Line optimization with Industrial Edge

3 - Optimized production with AI in Cloud

4 - Maintenance 4.0

5 – Design platforms & PLM

6 – Digital twins

7 – Breakthrough technologies & innovation

8 – Financing of the Digital Transformation

Roadmap  
Quick Win identified & roadmap



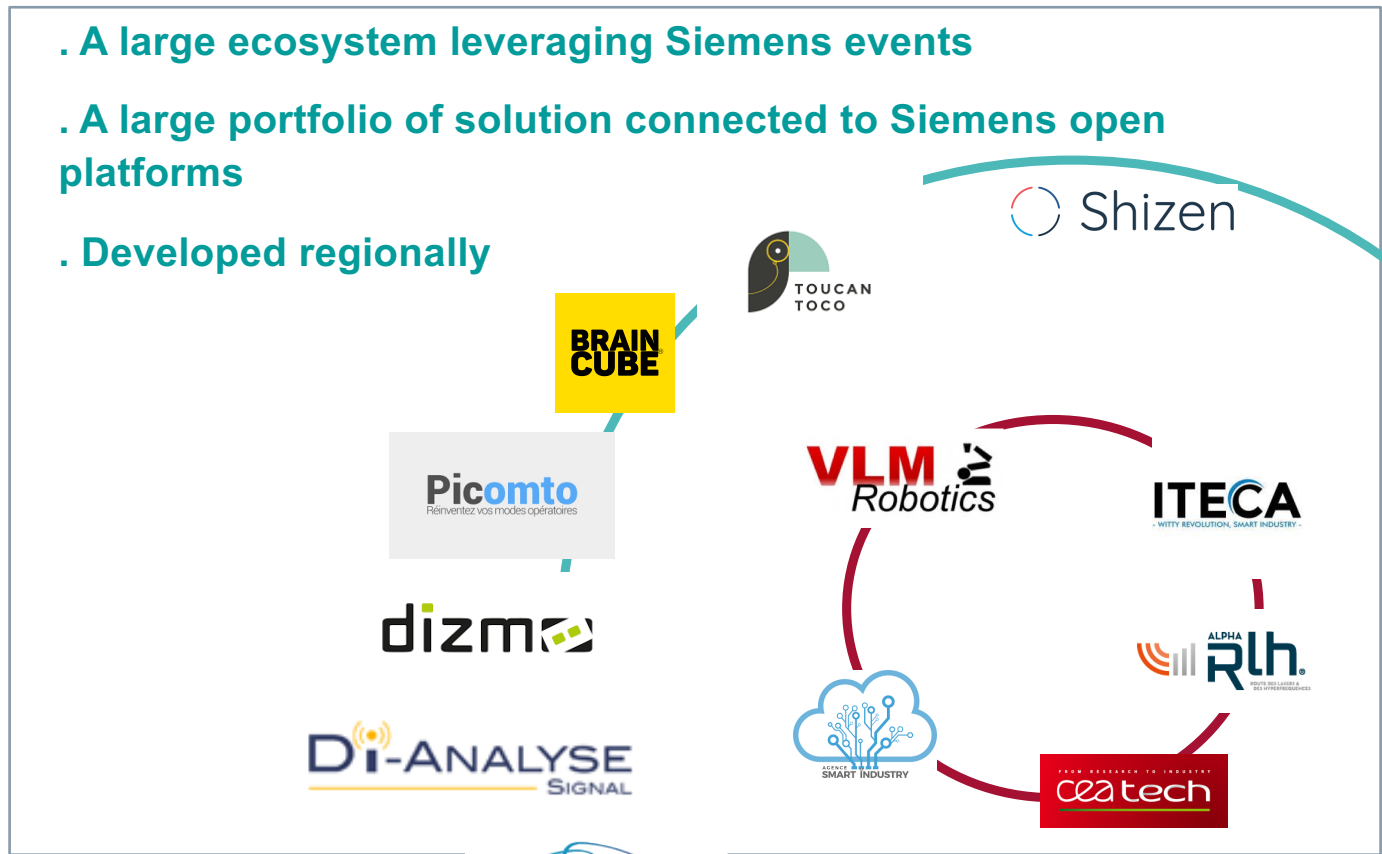
# The winner must develop the larger community of users, promoters and developers



# Delivering start up innovation under industrial conditions

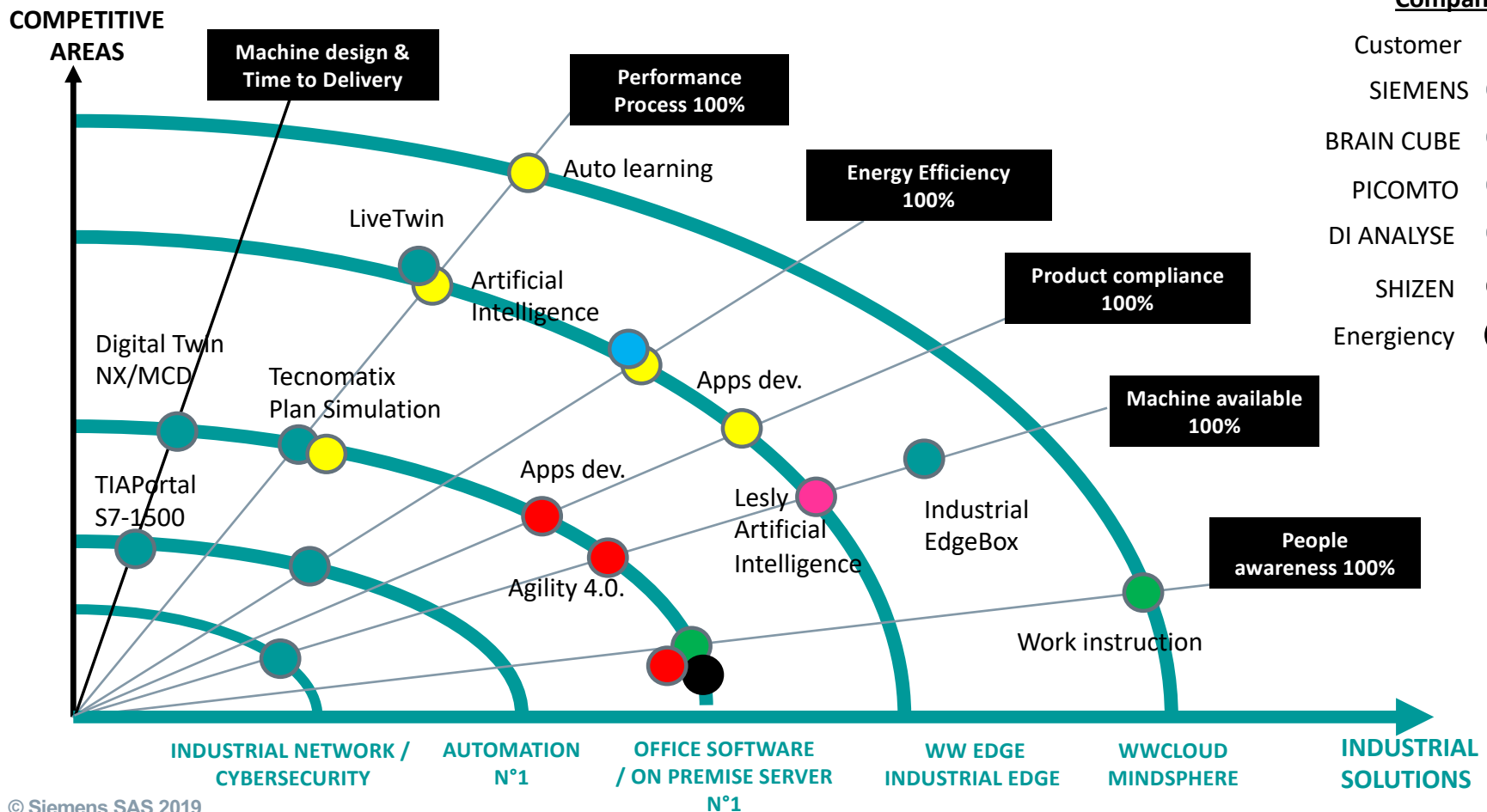


- . A large ecosystem leveraging Siemens events
- . A large portfolio of solution connected to Siemens open platforms
- . Developed regionally





# Une ossature industrielle mondiale pour une offre de valeur d'excellence valorisant les partenaires sur une offre de valeur



— □ Digital  
— □ Experience  
— ■ Center

**SIEMENS**  
*Ingenuity for life\**

**Merci**

