

FIEE Smart Future

FIEE Smart Energy

abinee ²⁰¹⁹TEC

Ilhas Temáticas

Digitalização da Indústria Brasileira



Digitalization changes everything

The next trillion dollars will be earned with data – for our customers and for our industries.

Michael Dell, founder of Dell Inc.

Digital companies is the main reason just over half of the on the Fortune 500 have disappeared since the year 2000.

Pierre Nanterme, CEO Accenture

This “now world” requires companies to respond in real time wherever they are or their customers or clients may be.

Klaus Schwab, The Fourth Industrial Revolution

New business models



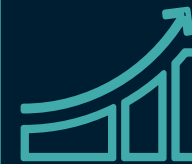
Speed



Flexibility



Quality



Efficiency

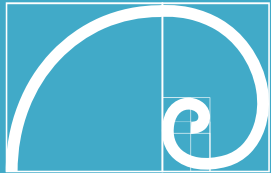


Security

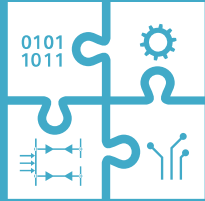
Changing the way products come to life

Changing the way products are realized

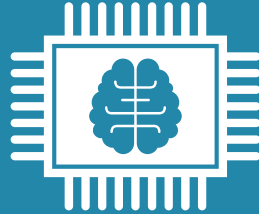
Changing the way products evolve



Generative design



Intelligent models



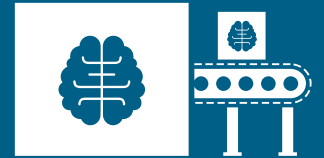
Intelligent automation



Additive manufacturing



Cloud ecosystems



Knowledge automation



System of systems



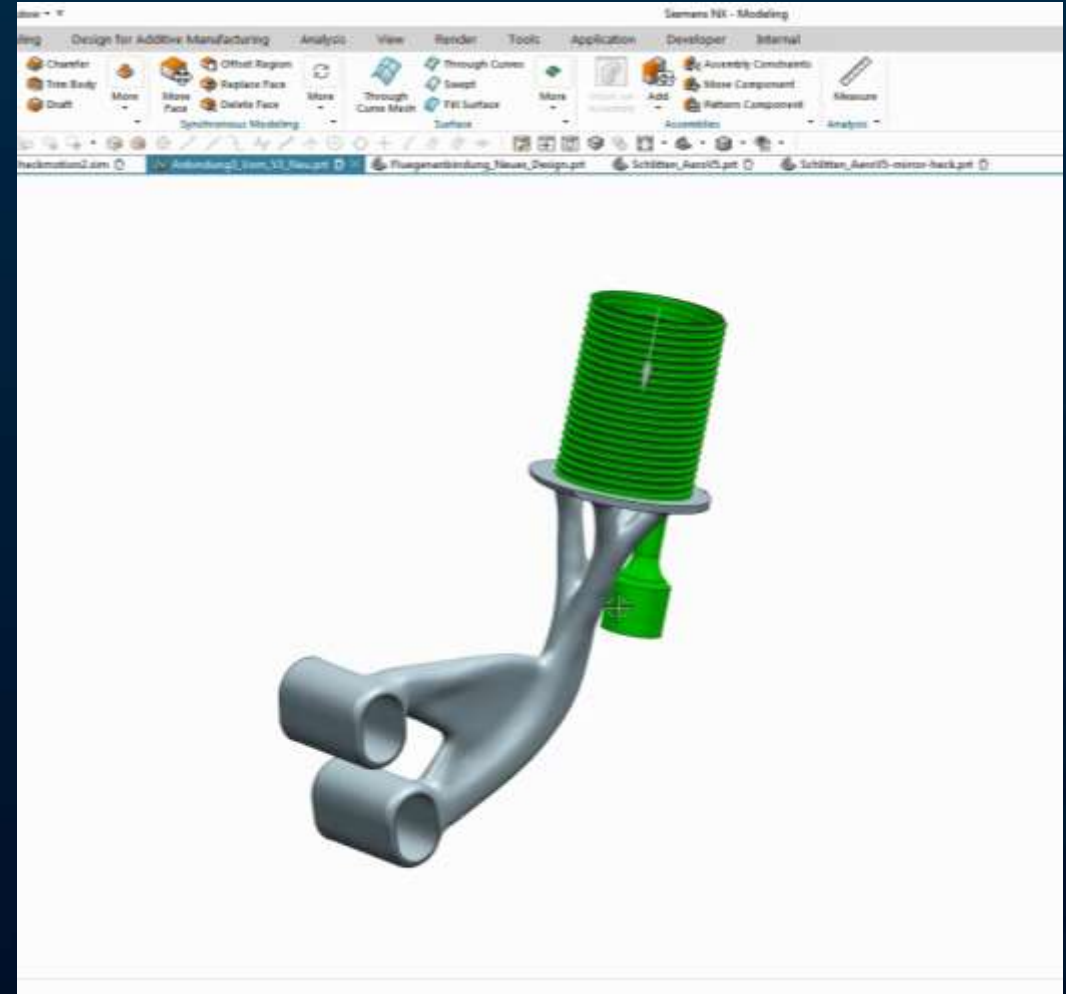
Advanced robotics

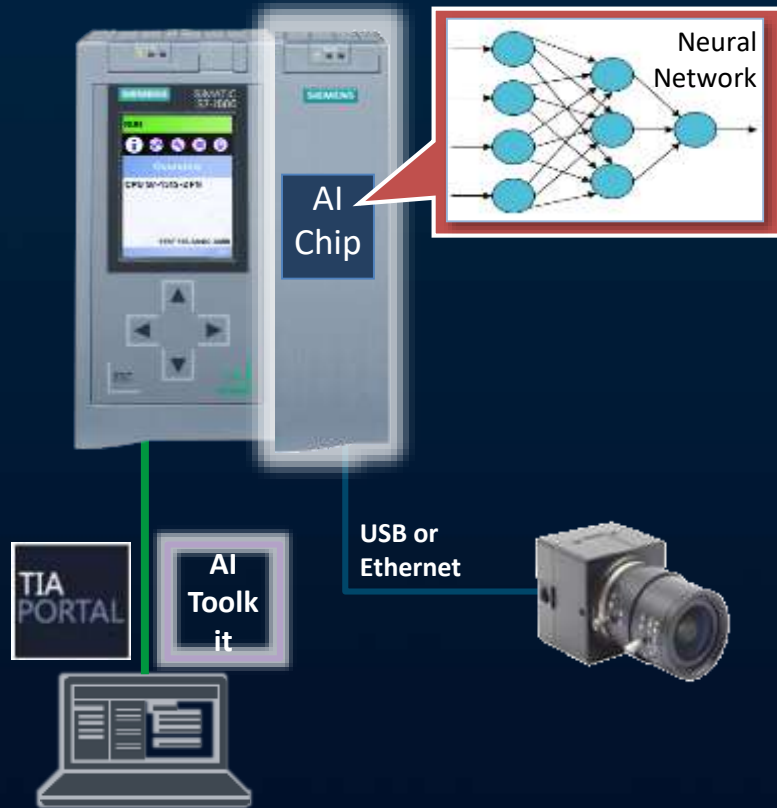


Big data analytics

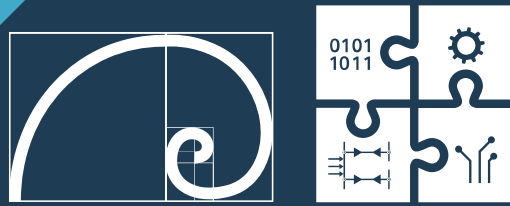


- Expanded product performance
- Improved functional efficiencies
- Reduced design weight
- Use less material in manufacturing



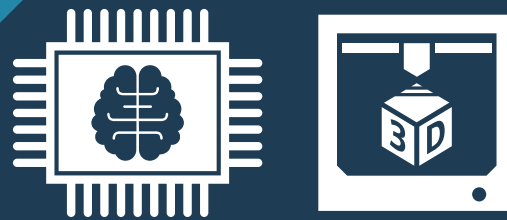


Ideation



System of
systems

Realization



Advanced
robotics

Utilization



Big data
analytics

Ideation

1 Product design

2 Production planning

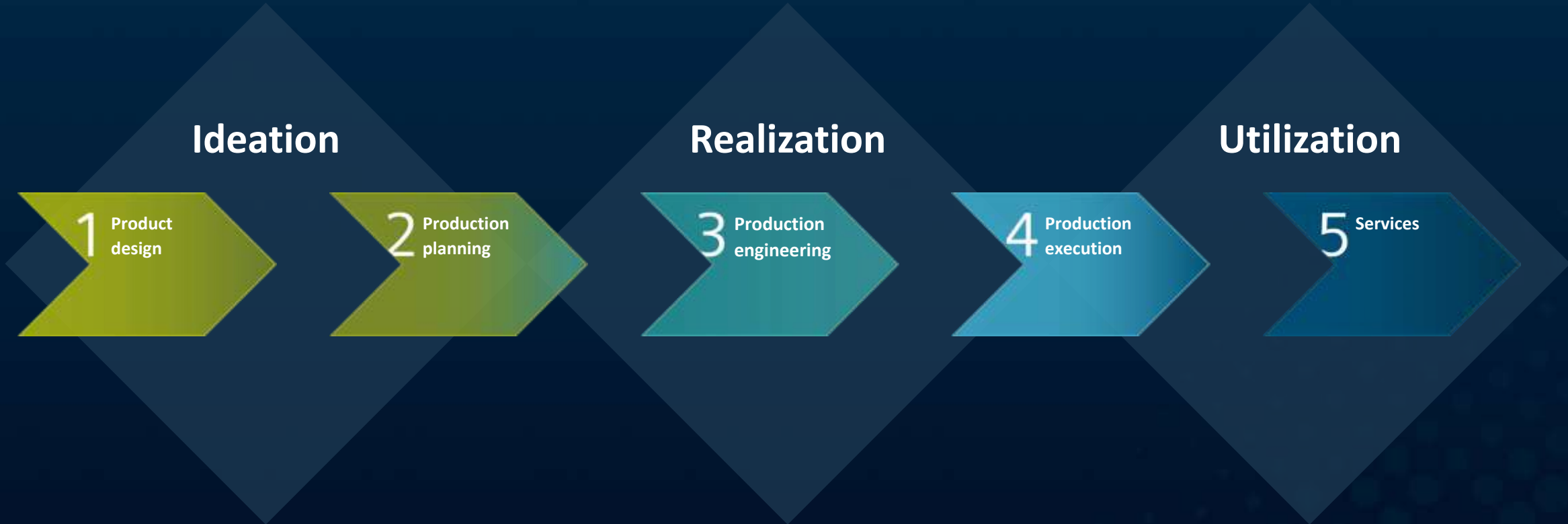
Realization

3 Production engineering

4 Production execution

Utilization

5 Services



Ideation

1 Product design

2 Production planning

Realization

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Ideation

1 Product design

2 Production planning

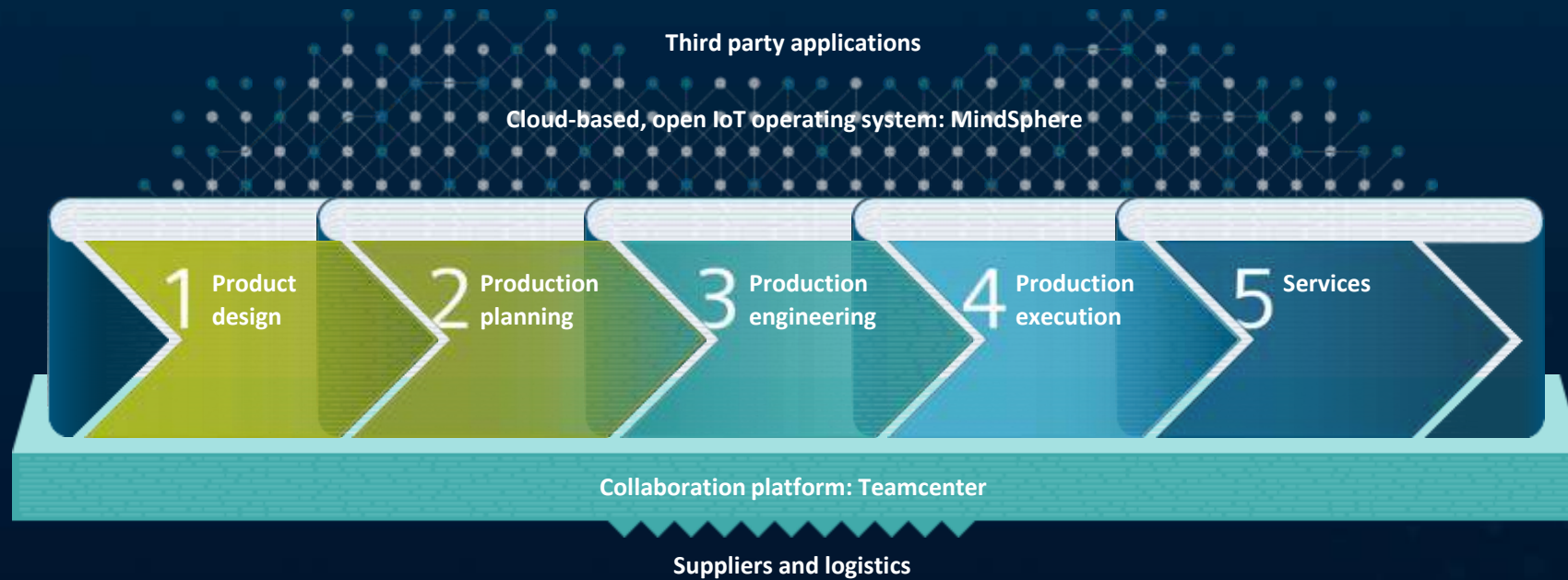
Realization

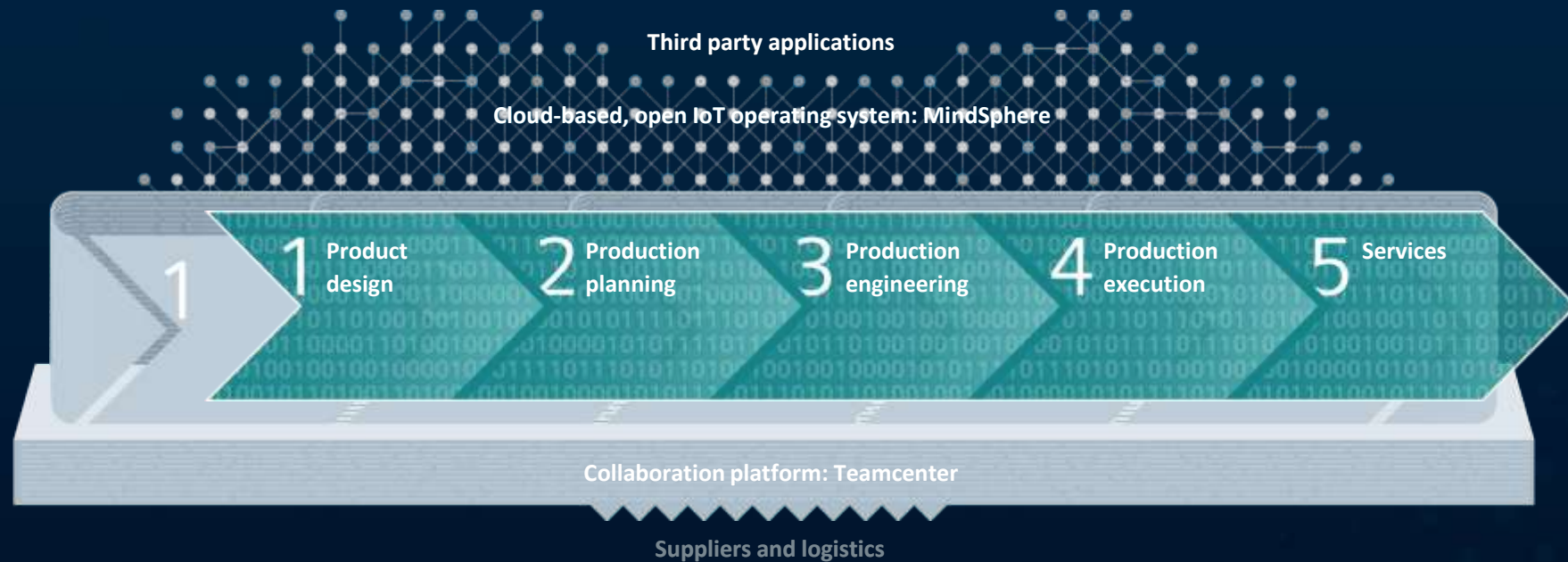
3 Production engineering

4 Production execution

Utilization

5 Services





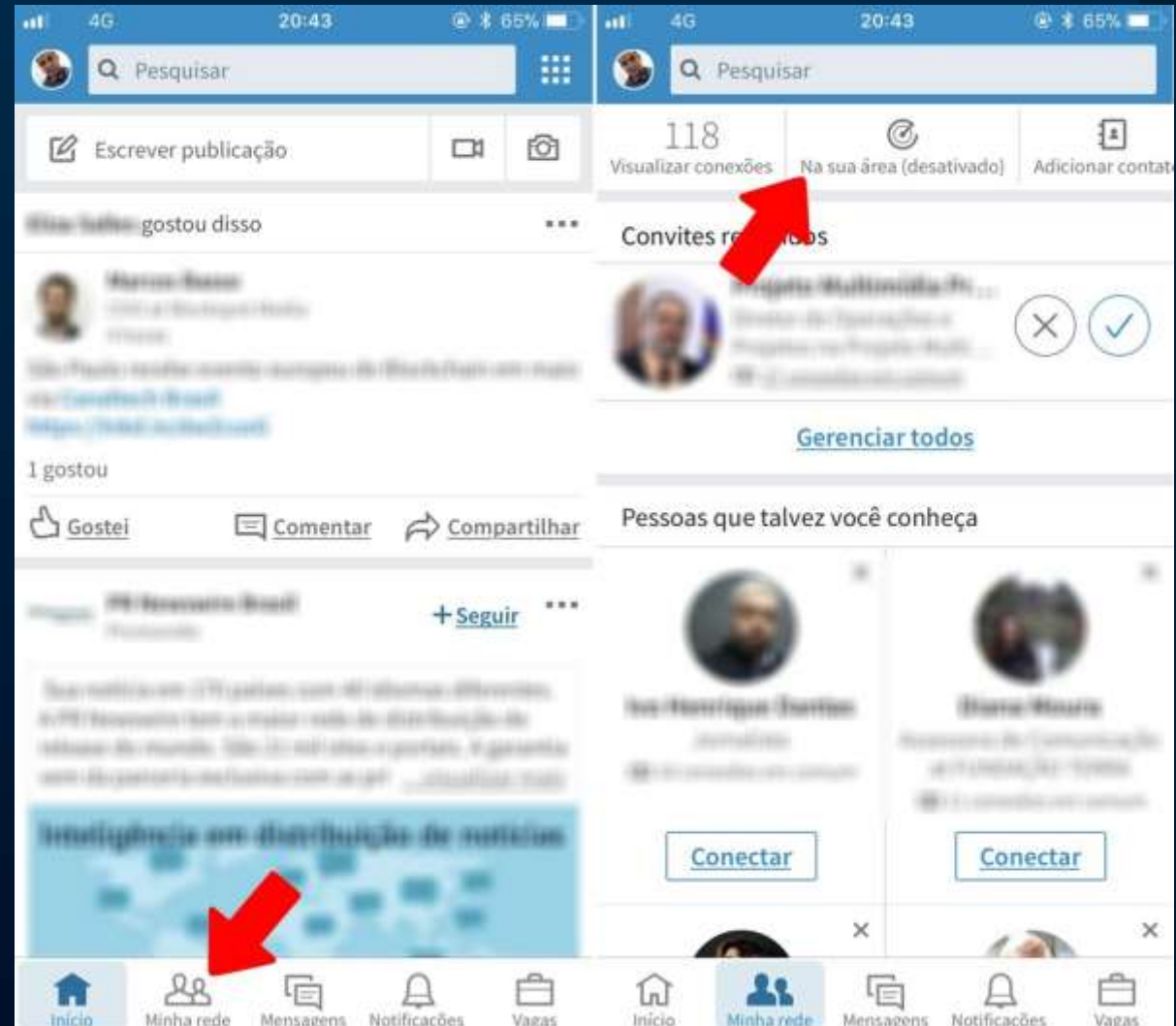


Muito Obrigado!

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Ilhas Temáticas

Inteligência para Flexibilidade do Processo Produtivo



Volatility

Uncertainty

Complexity

Ambiguity

Digitalization changes everything

Only 11% of the Fortune 500 companies
from 1955 are still in the list today

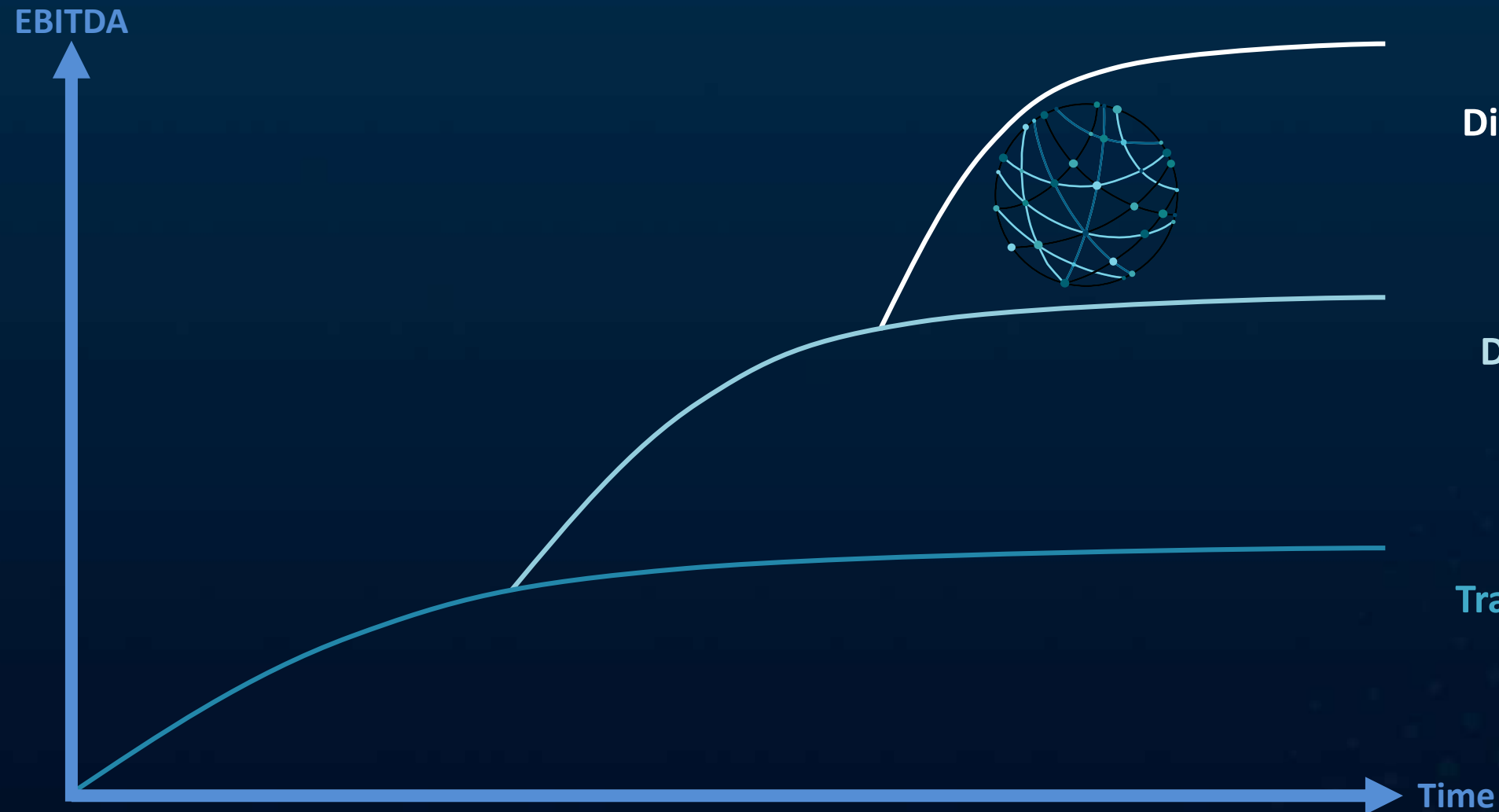
<https://fortune.com/fortune500/>

The greatest danger in times of turbulence
is not the turbulence. It is act with
yesterday's logic.

Peter F. Drucker

If the rate of change outside exceeds the
rate of changes inside, the end is sight..."

Jack Welch



Digital Business Models
+20~30%

Data-based operating
models
+10~20%

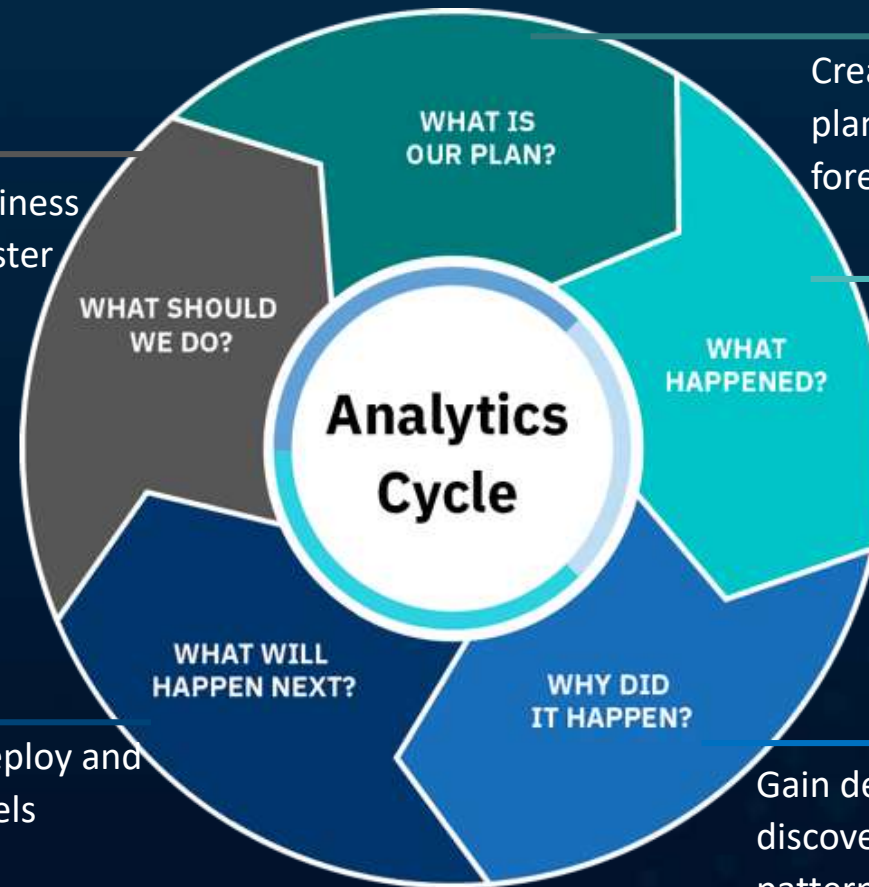
Transparency and digital
processes
+5~10%

Source: Wehberg, G., Die Triple Long Tail Strategie, (www.TripleLongTail.com)



Make better business and decisions faster

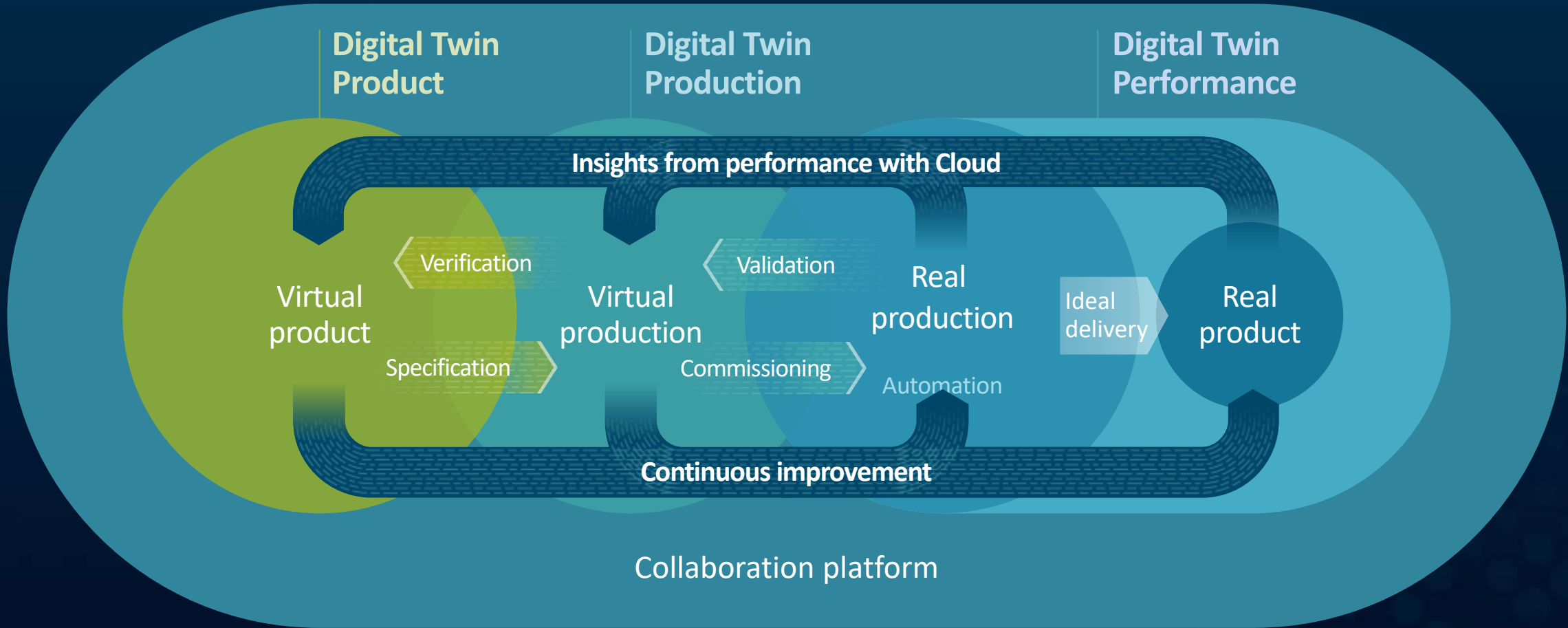
Developer, deploy and manage models



Create more accurate plans, budgets and forecasts.

Report, monitor and analyse your data with confidence

Gain deeper insights to discover all contributing patterns.



Generative Designer

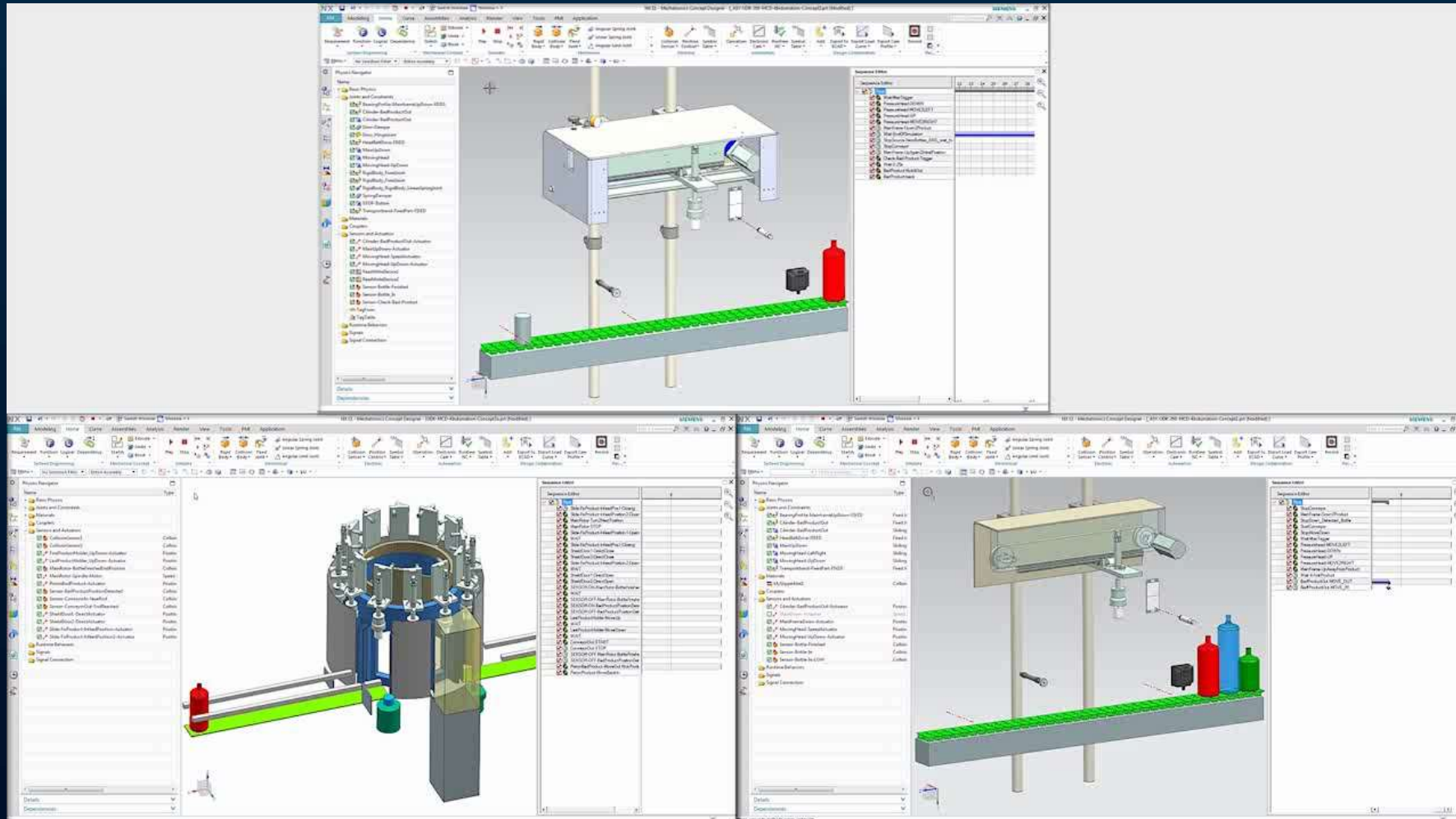
Additive Manufacturing

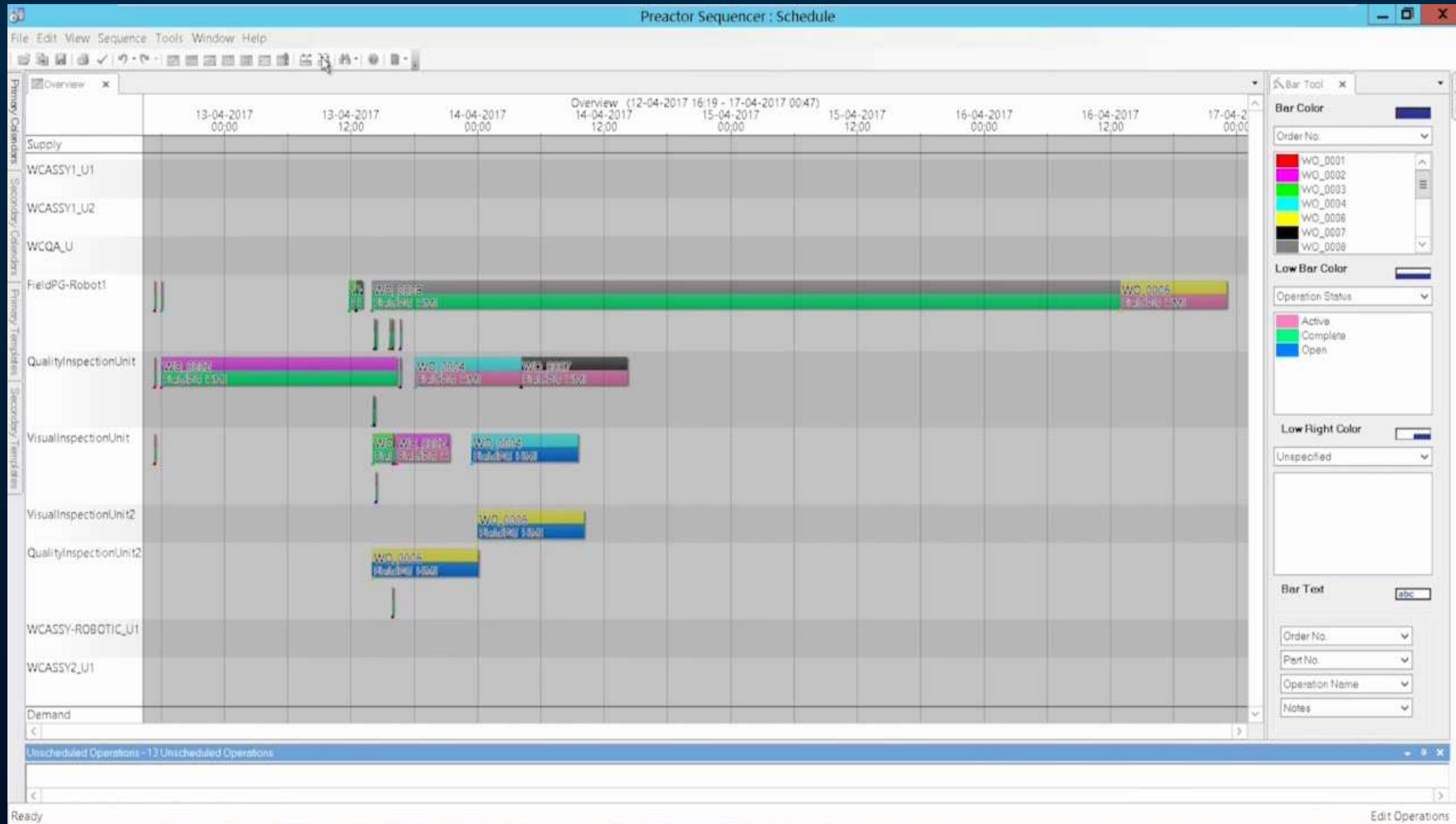
Edge Computing

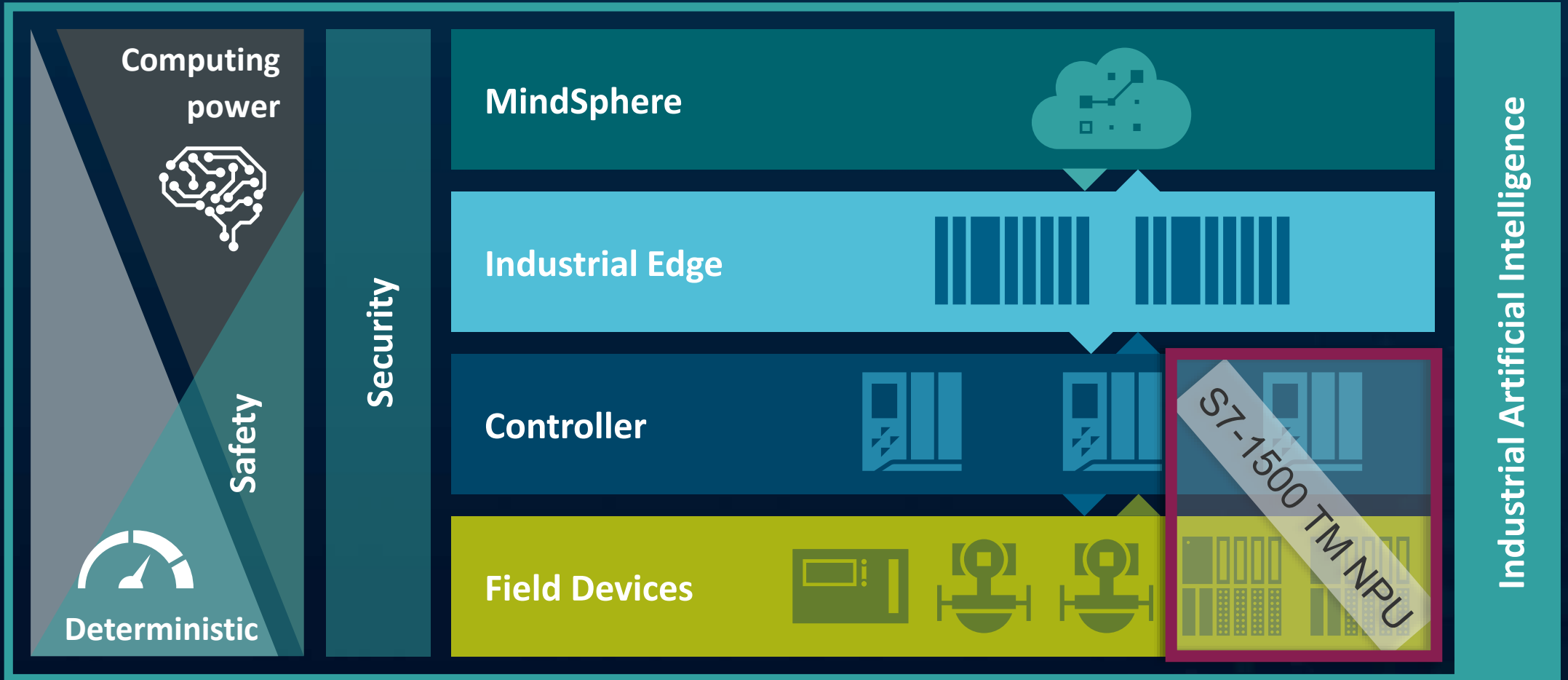
Artificial Intelligence

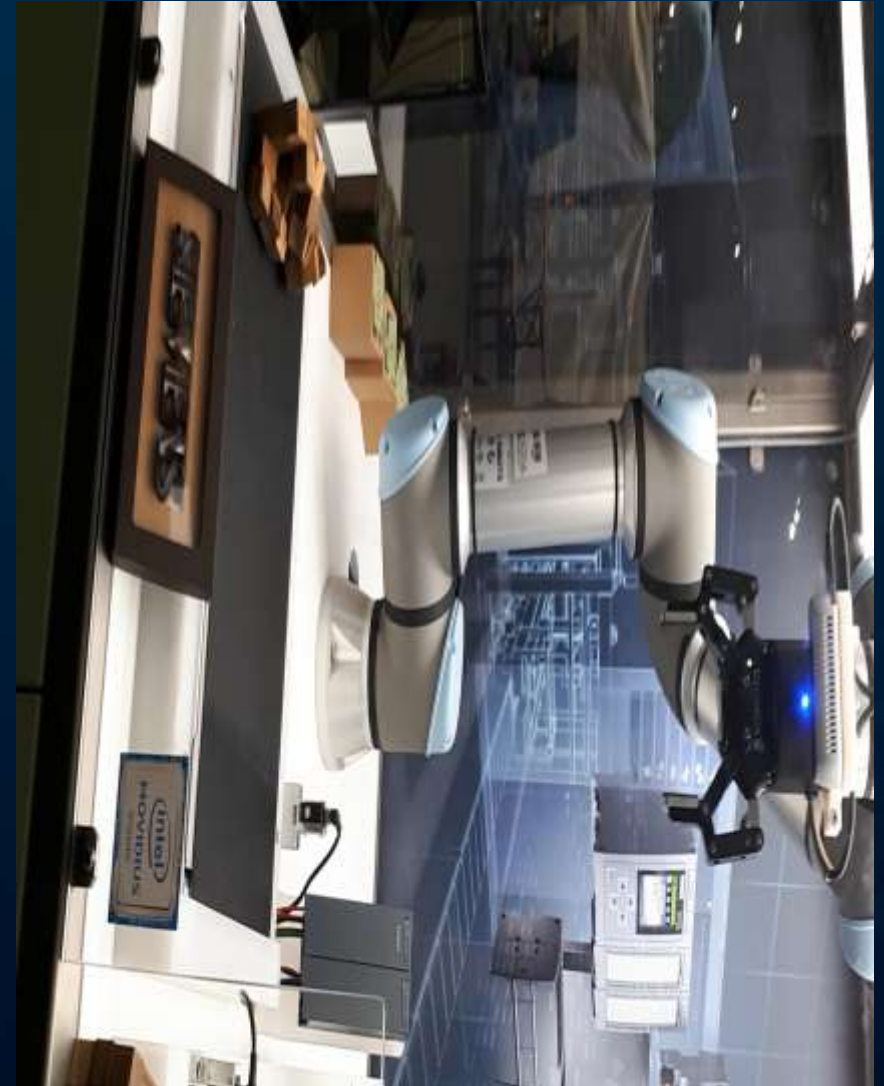
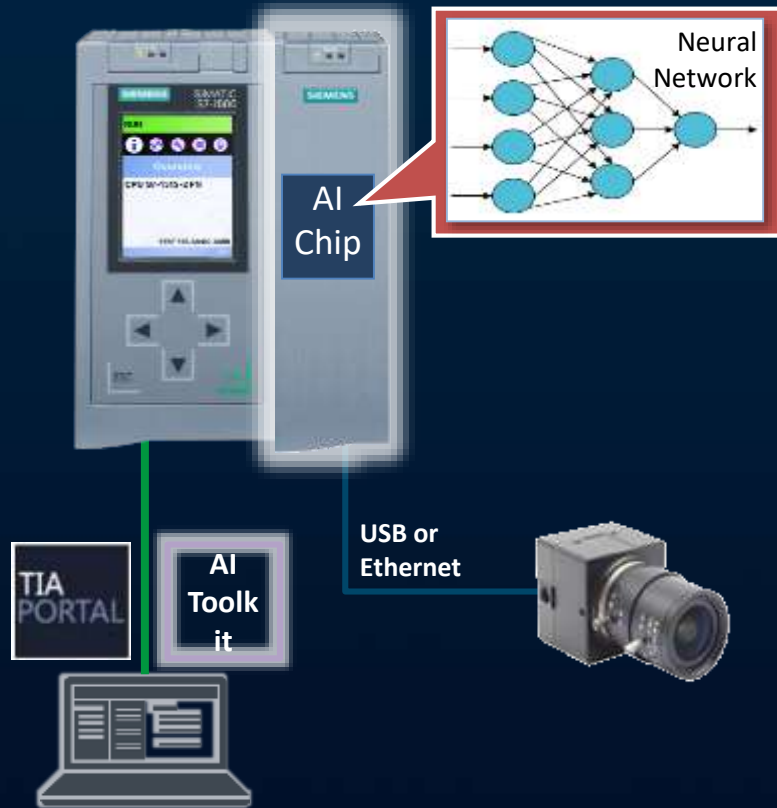
Industrial 5G

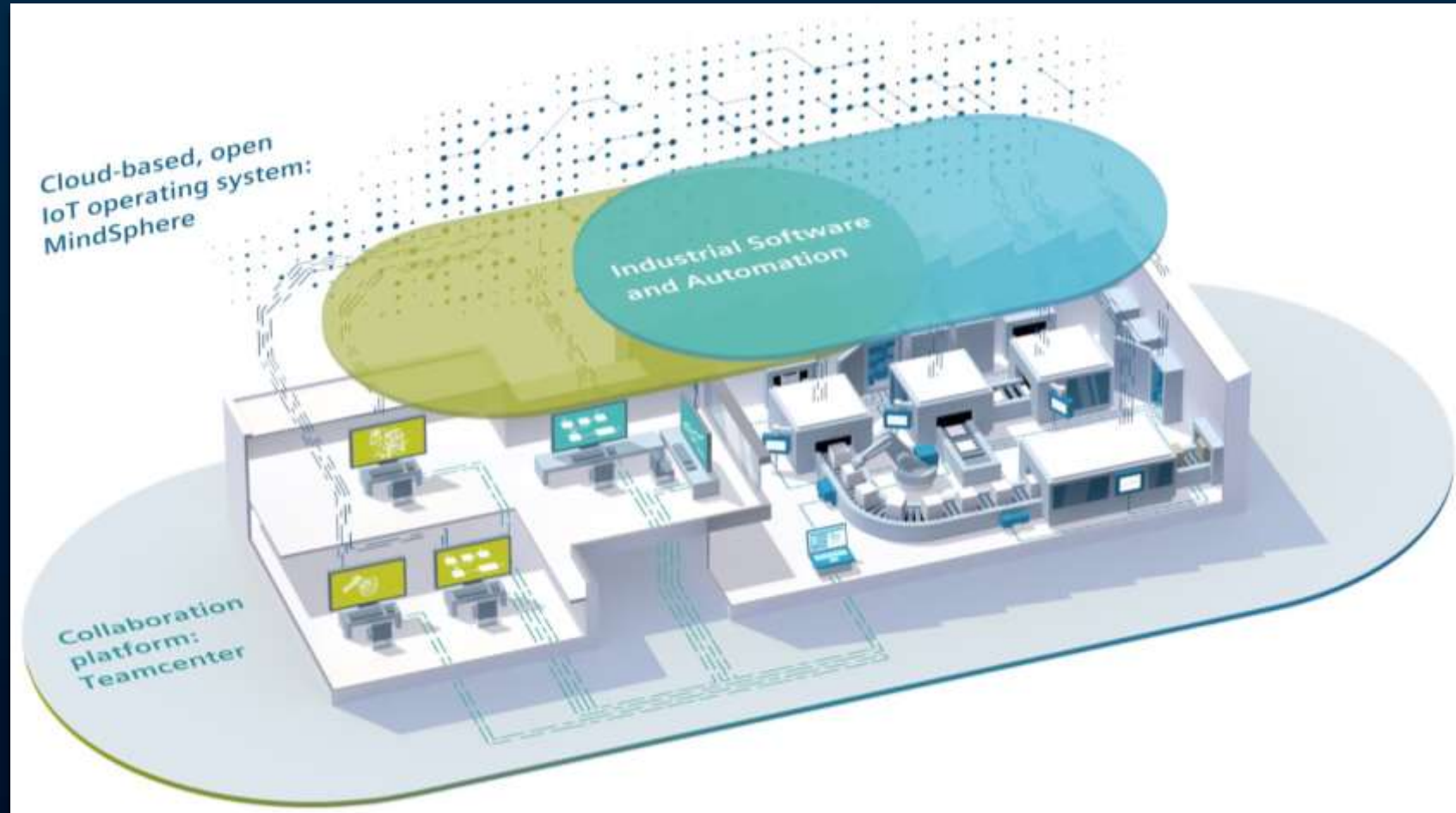
Advanced Planning & Scheduling

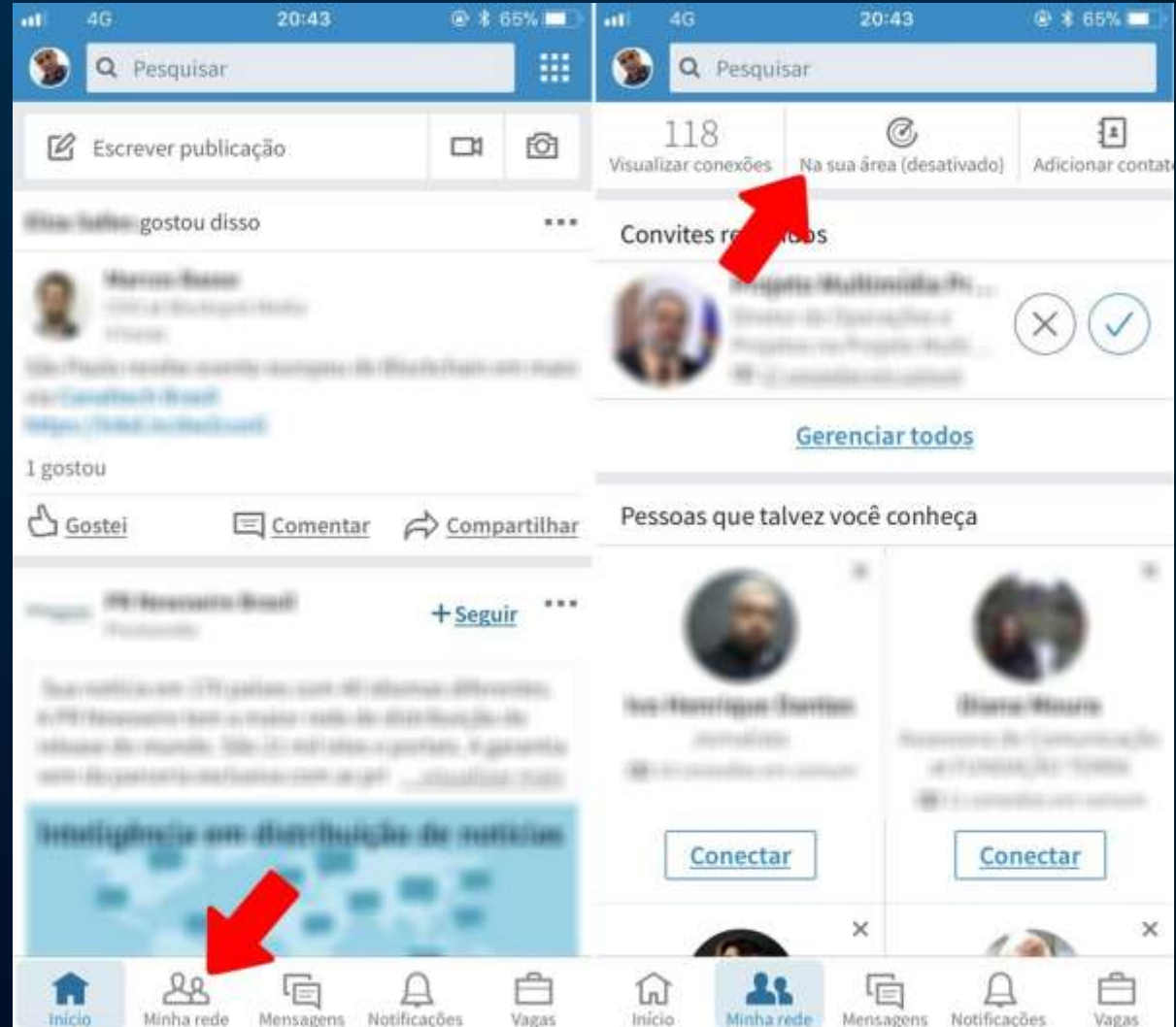












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