

What do our machines think about us while we are at conferences (non-SCADA story).

Live cybersecure IIoT demo



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SIEMENS

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APROTECH

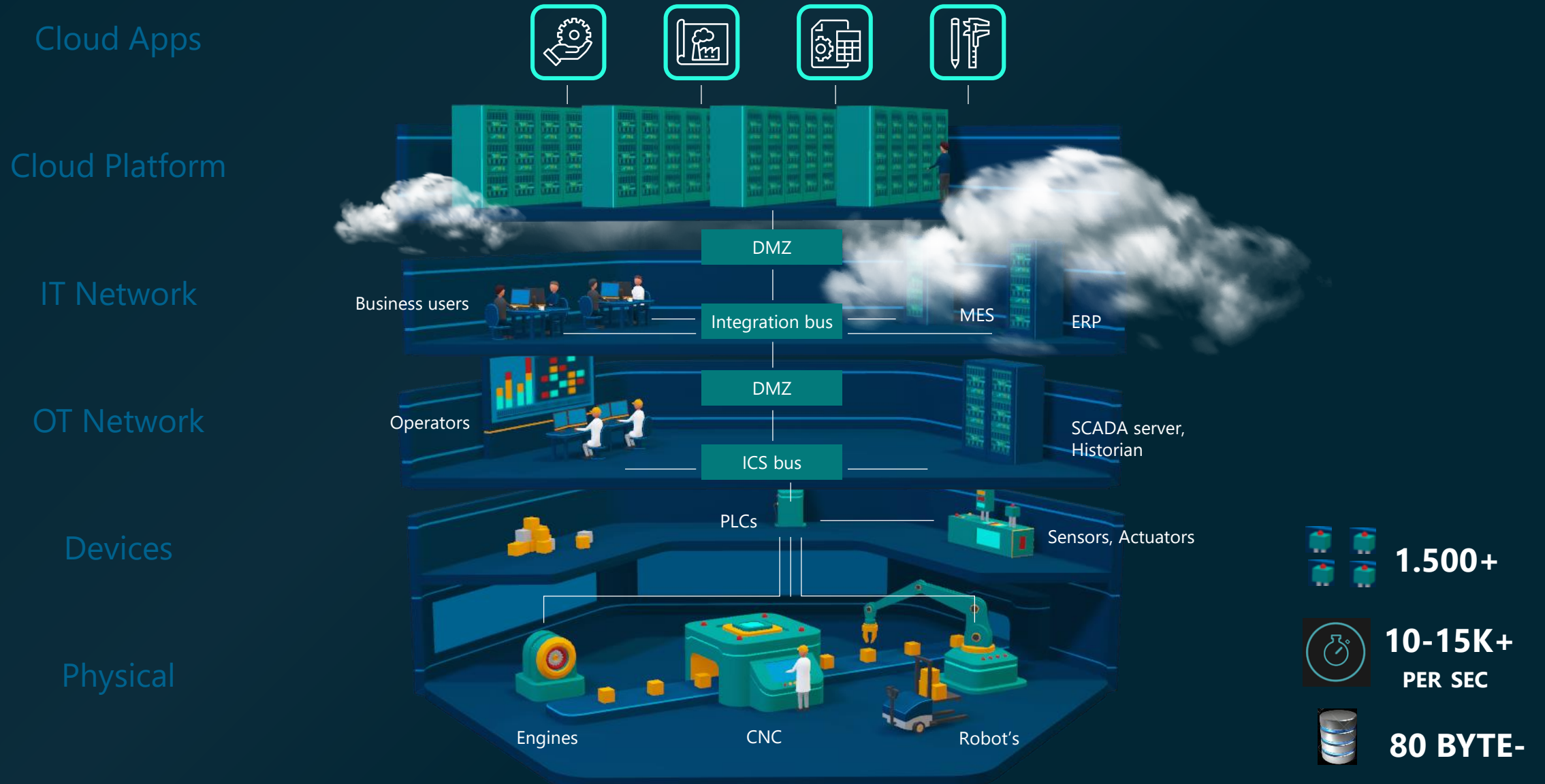
JV of

kaspersky

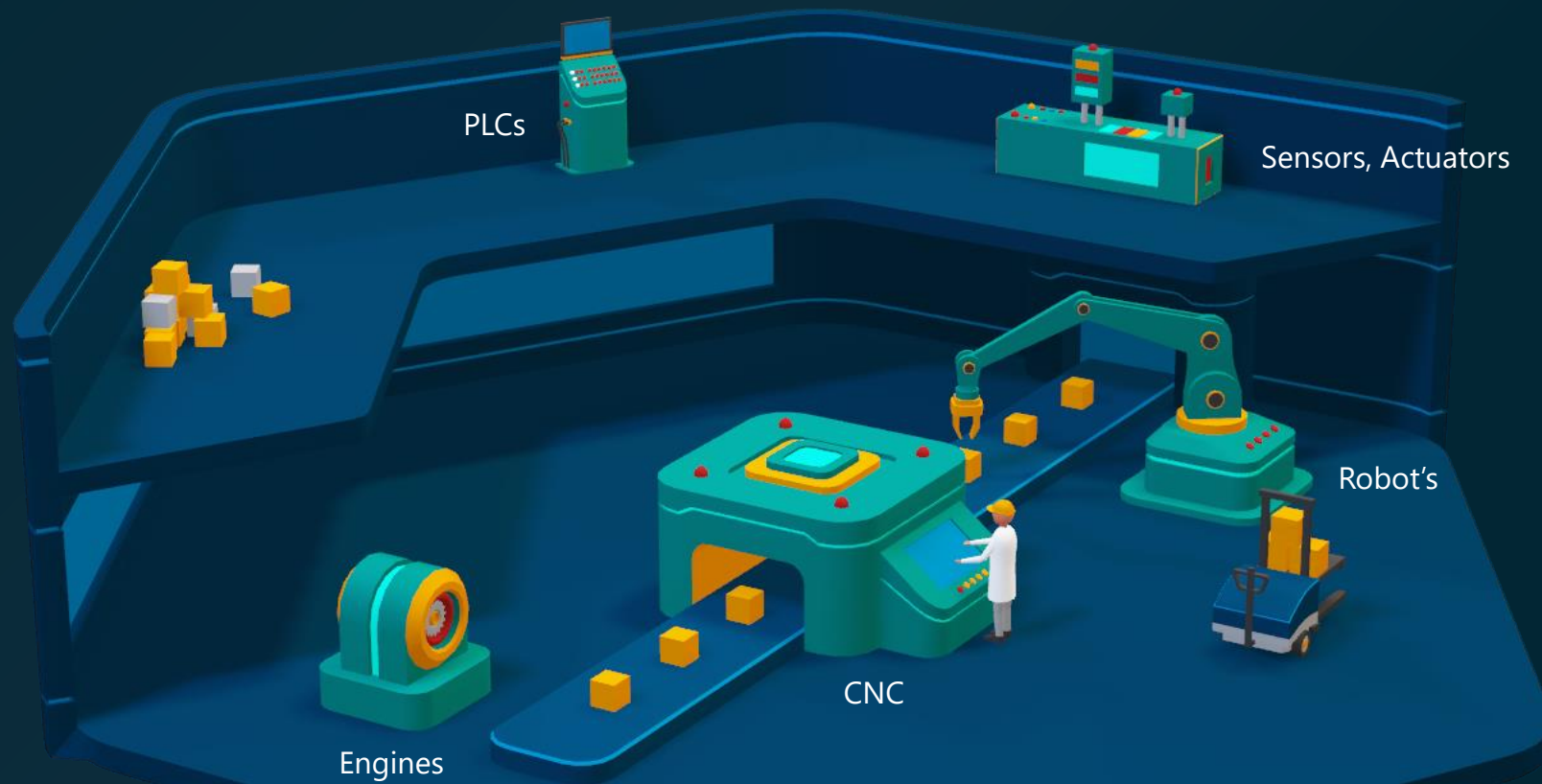
&



INDUSTRIAL LANDSCAPE TODAY



PHYSICAL ASSETS



**Currently, 85% of potential
assets remain unconnected...**
World Economic Forum

WHAT IF WE COULD ANALYZE ALL INDUSTRIAL DATA?



Can you predict pump failure in advance to avoid outage ?

Real time industrial data collection, edge devices for pre-processing, machine learning components and events interpretation model can predict pump failure in advance :

12 DAYS

source: one of public reference (Siemens)

DIGITAL TRANSFORMATION JOURNEY

STEP 1.
**Monitor and
analyze**



STEP 3.
**Performance
based finance**

NEW BUSINESS MODEL

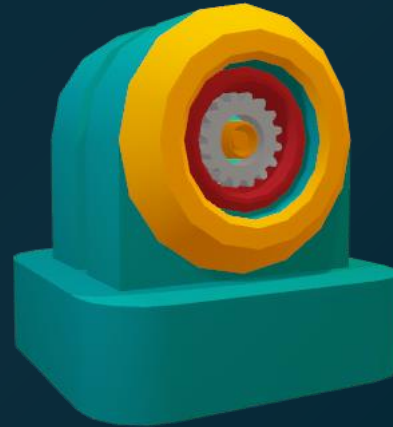
**STEP 2. Predict outages
and discover anomalies**

FROM PRODUCT TO VALUE BASED CONTRACT

NEW BUSINESS MODEL EXAMPLE

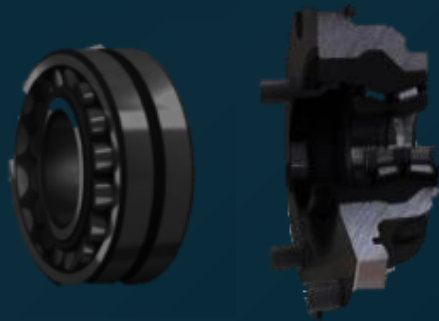


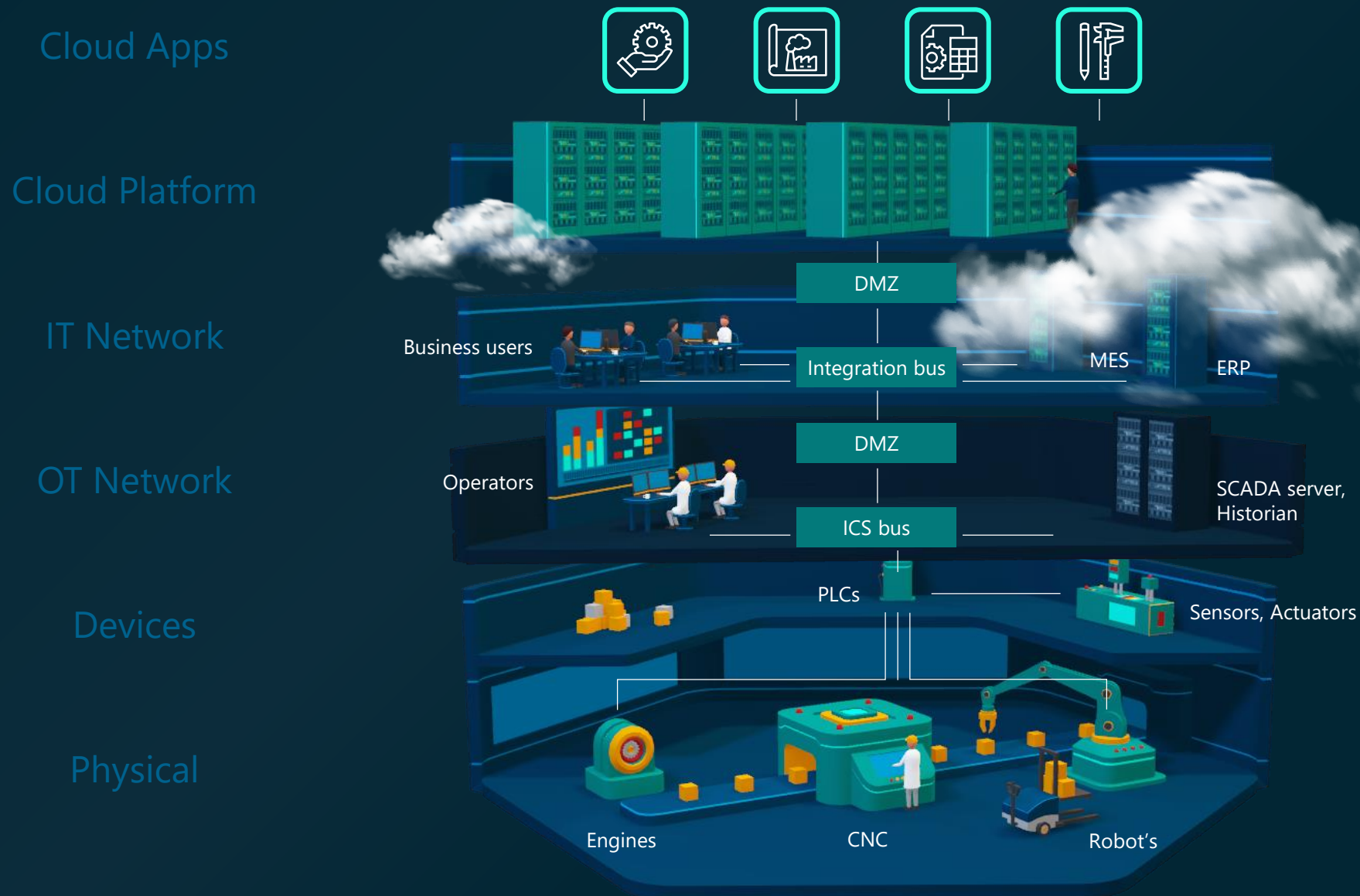
IN THE PAST

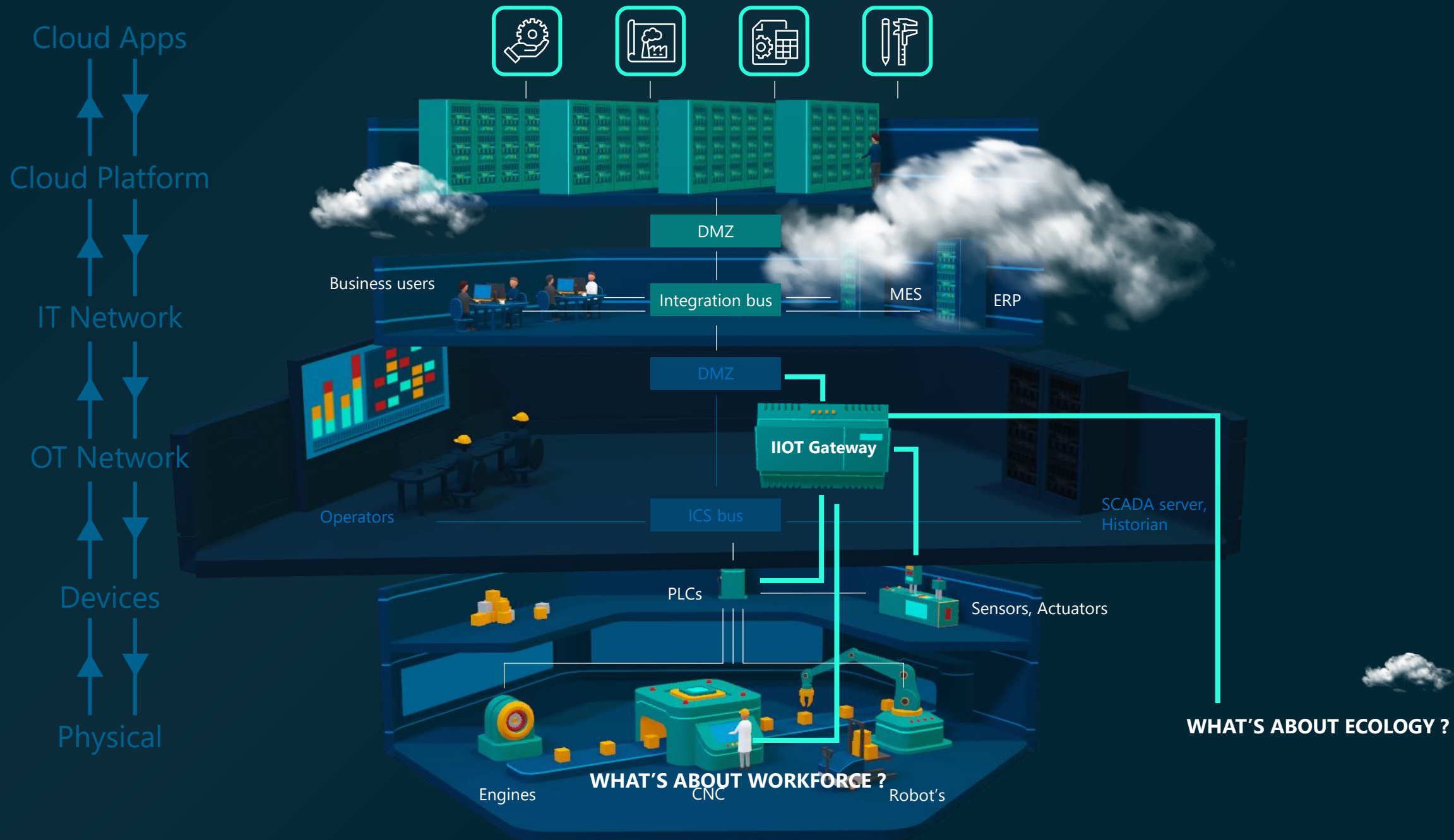


TODAY

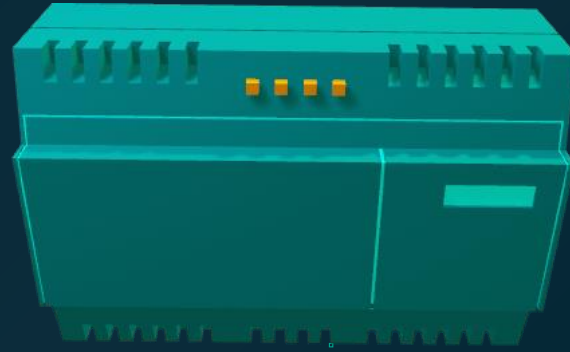
Rotation As A Service







KNOW YOUR WEAKNESSES



GW as source
Of attack



Unauthorized
connection



GW cyber
attack



Malware
infection



Assets cyber
Attack (plc, etc.)

"SECURE by DESIGN"

IDS

FireWall

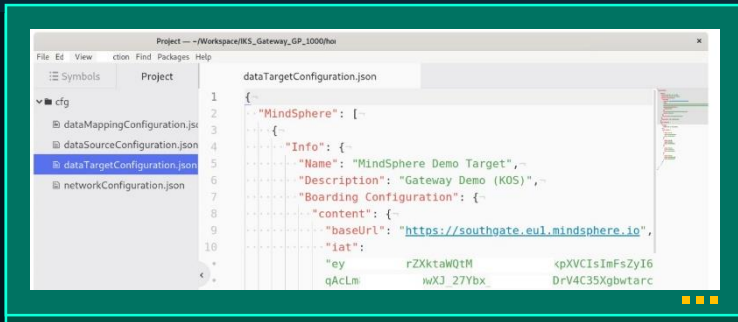


AntiVirus

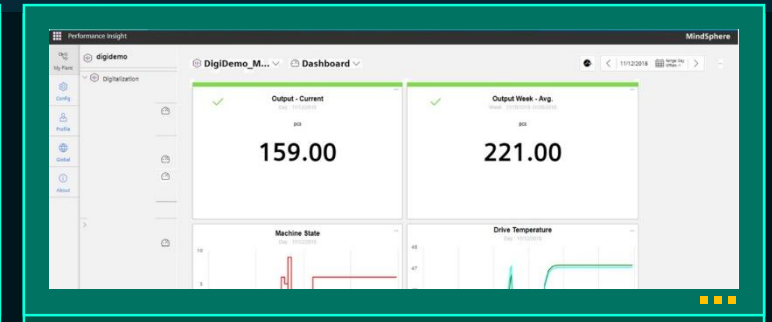
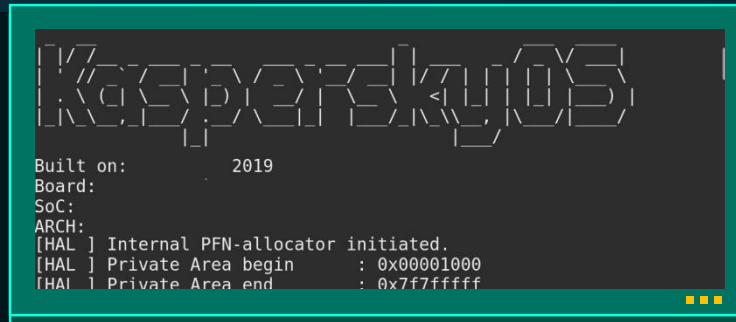
DeviceControl

PLEASE WELCOME – CYBER IMMUNITY

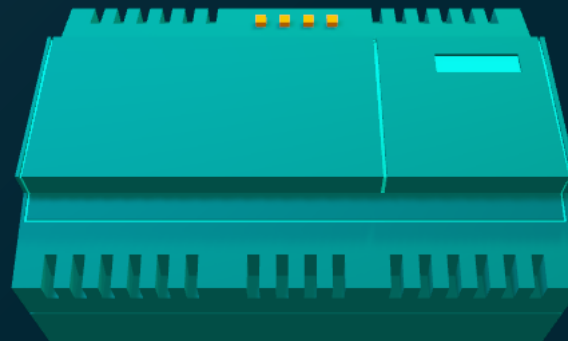
OPC UA



MINDSPHERE

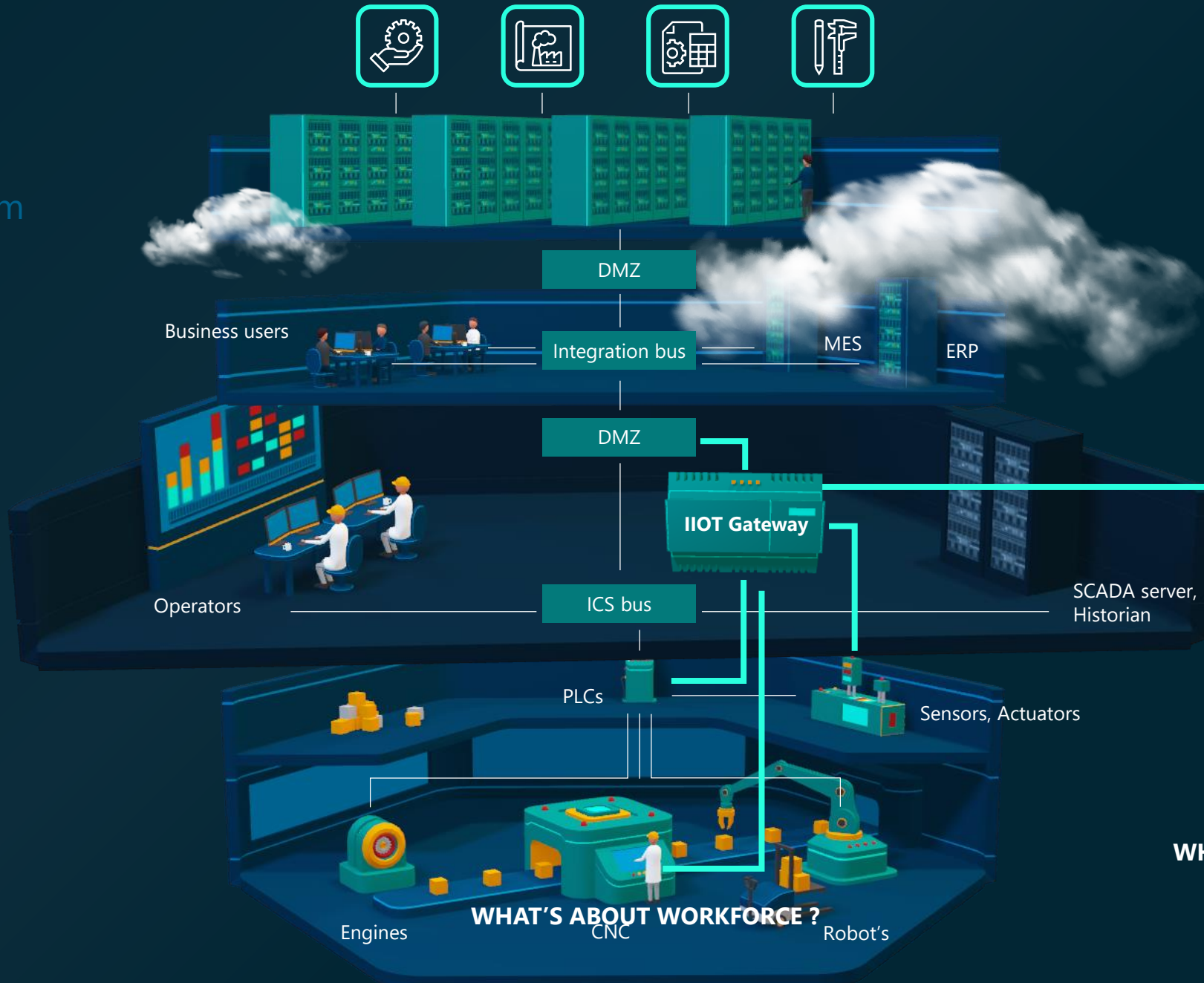


IKS 1000 GL



BUILD ON SIEMENS IOT2040 AND KASPERSKY OS

Cloud Apps
Cloud Platform
IT Network
OT Network
Devices
Physical



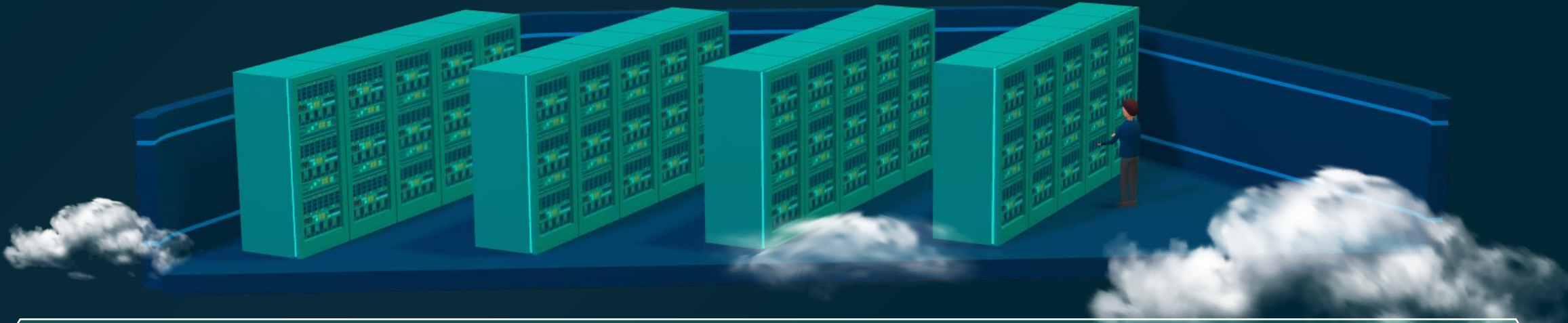
WHAT'S ABOUT WORKFORCE ?

WHAT'S ABOUT ECOLOGY ?

IIOT PLATFORM

Silver
Partner

MindSphere



MindSphere — MindSphere is the cloud-based IoT open platform. It connects products, plants, systems, and machines, enabling you to harness the wealth of data being an optimal basement for industrial digital transformation .

Ultimate support for industrial data and systems integration

Agile development and dynamic KPI repository

Ecosystem of business service developers

SIEMENS MINDSPERE

MindApps



MindSphere



IT Network

IoTGateWay



Devices

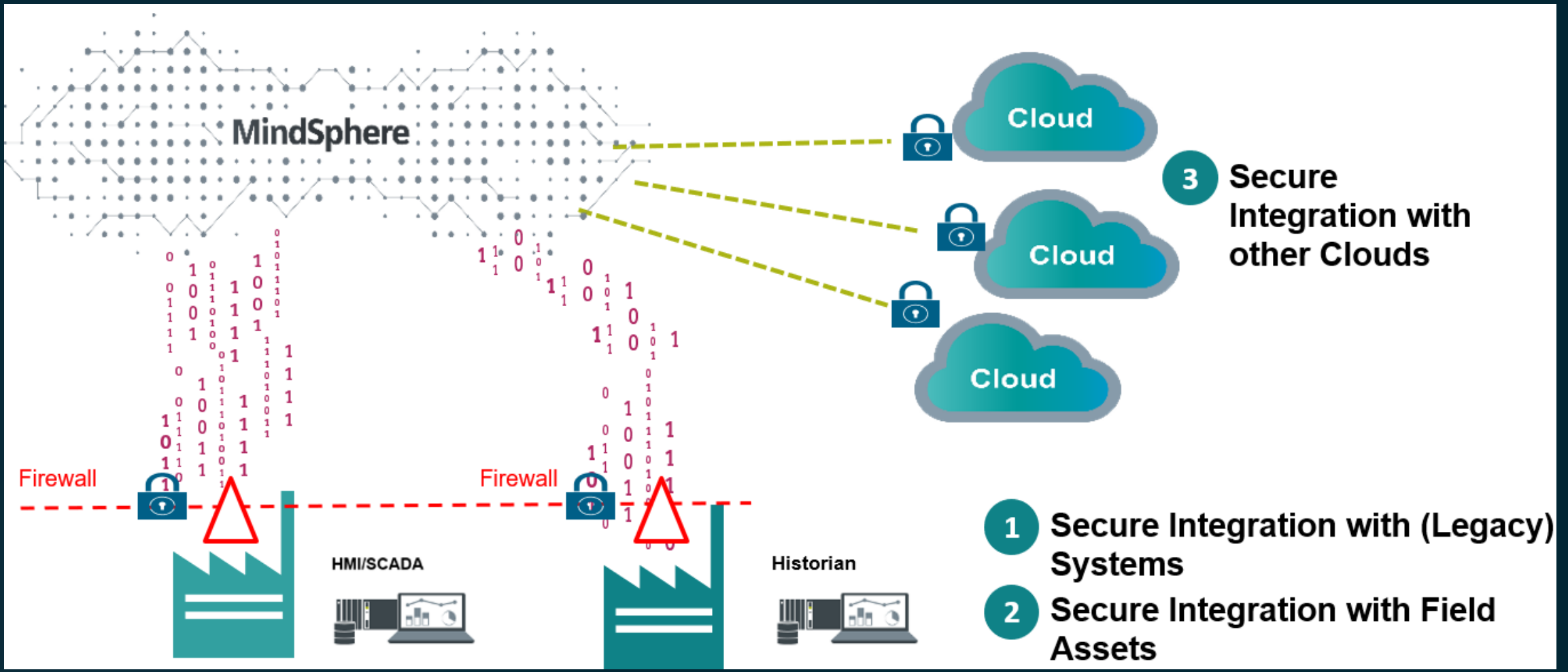


Industrial Data



SECURE SERVICES, CONNECTIVITY, AND INTEGRATION

MINDCONNECT INTEGRATION AND IOT EXTENSION



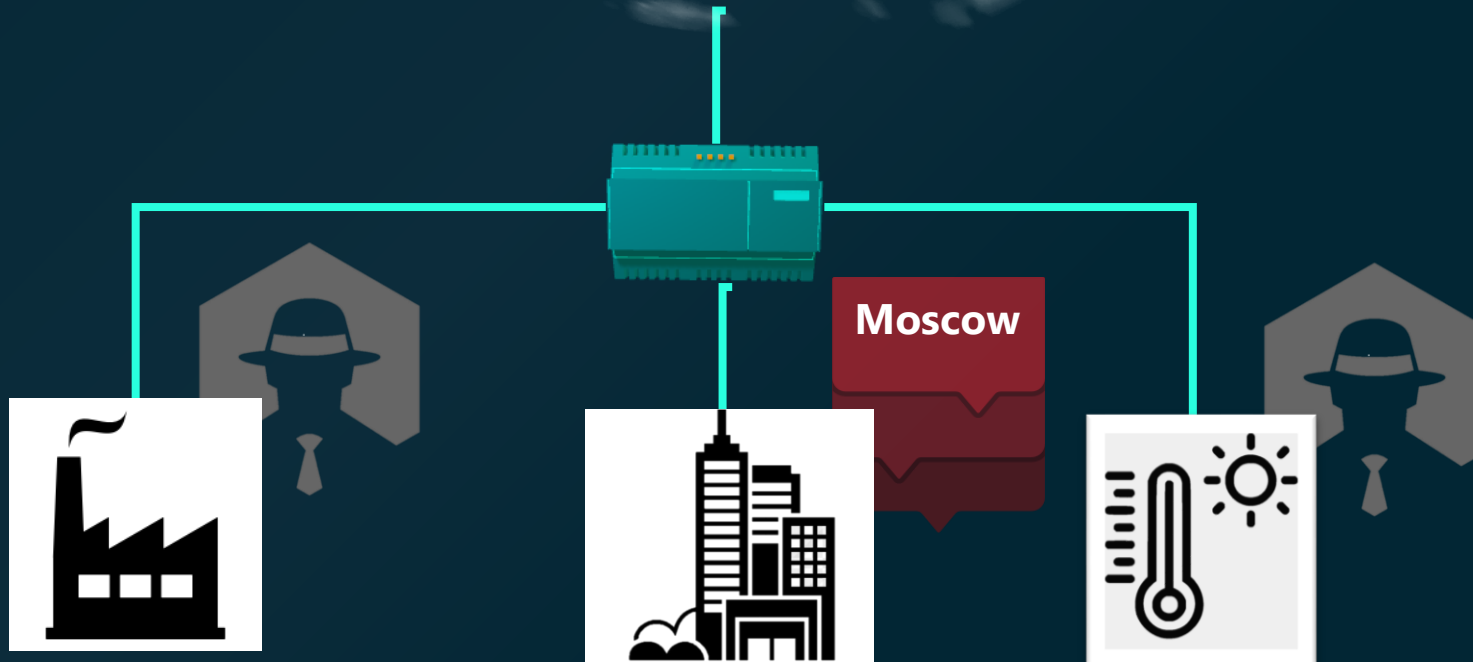
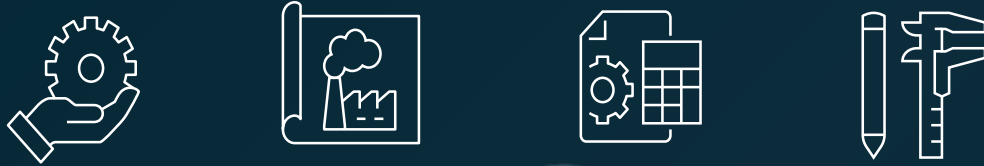
WHAT IS INSIDE





DEMO

HIGH LEVEL GENERAL ARCHITECTURE



Current projects:

1. Manufacturing
2. City infrastructure
3. Environment monitoring

TOP SECRET LABORATORY



Ingredients:

1. Smart Engineer
2. High performance equipment
3. Cookies
4. Cute kitten

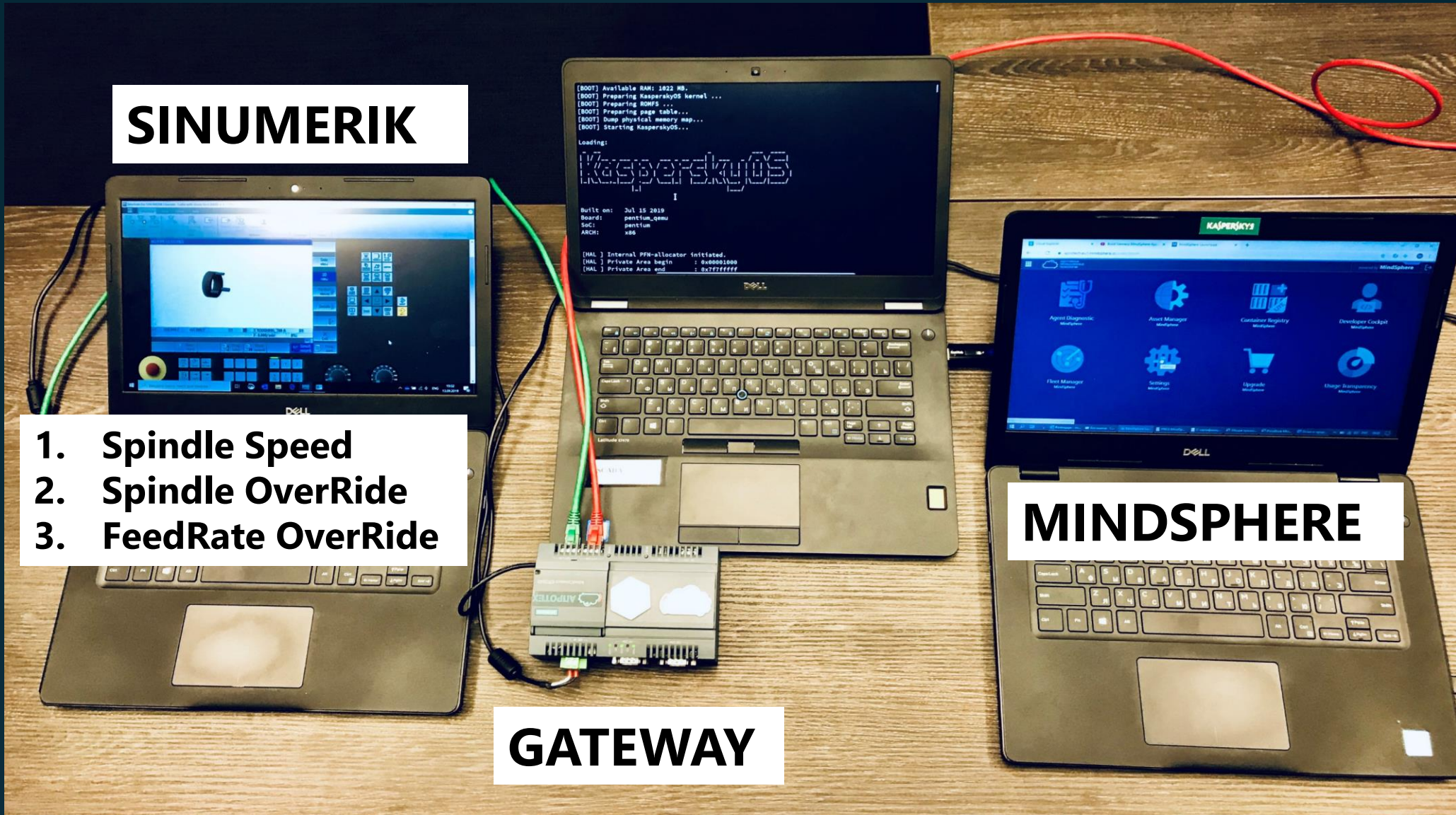
DESCRIPTION

SINUMERIK

1. Spindle Speed
2. Spindle OverRide
3. FeedRate OverRide

GATEWAY

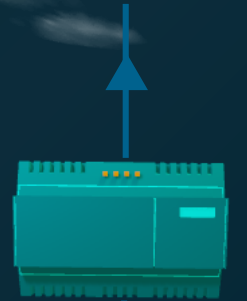
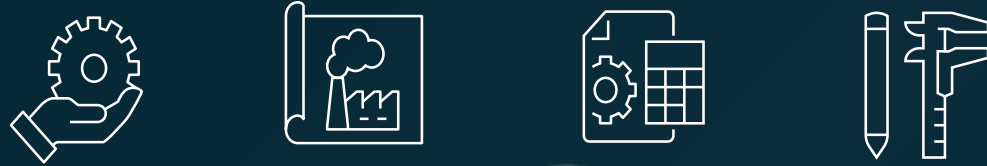
MINDSPHERE







WHAT DO YOU NEED TO START

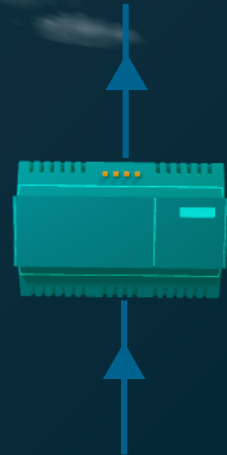


1. MindSphere access
2. Secure IIoT Gateway
3. Industrial asset
- ~~4. Servers~~
- ~~5. Local software~~
- ~~6. Additional hardware~~

WHAT WILL YOU GET



**New business services
and performance
based finance**



**CALL NOW
8 800 GATE-WAY**

Industrial data







16:30 Lobby