

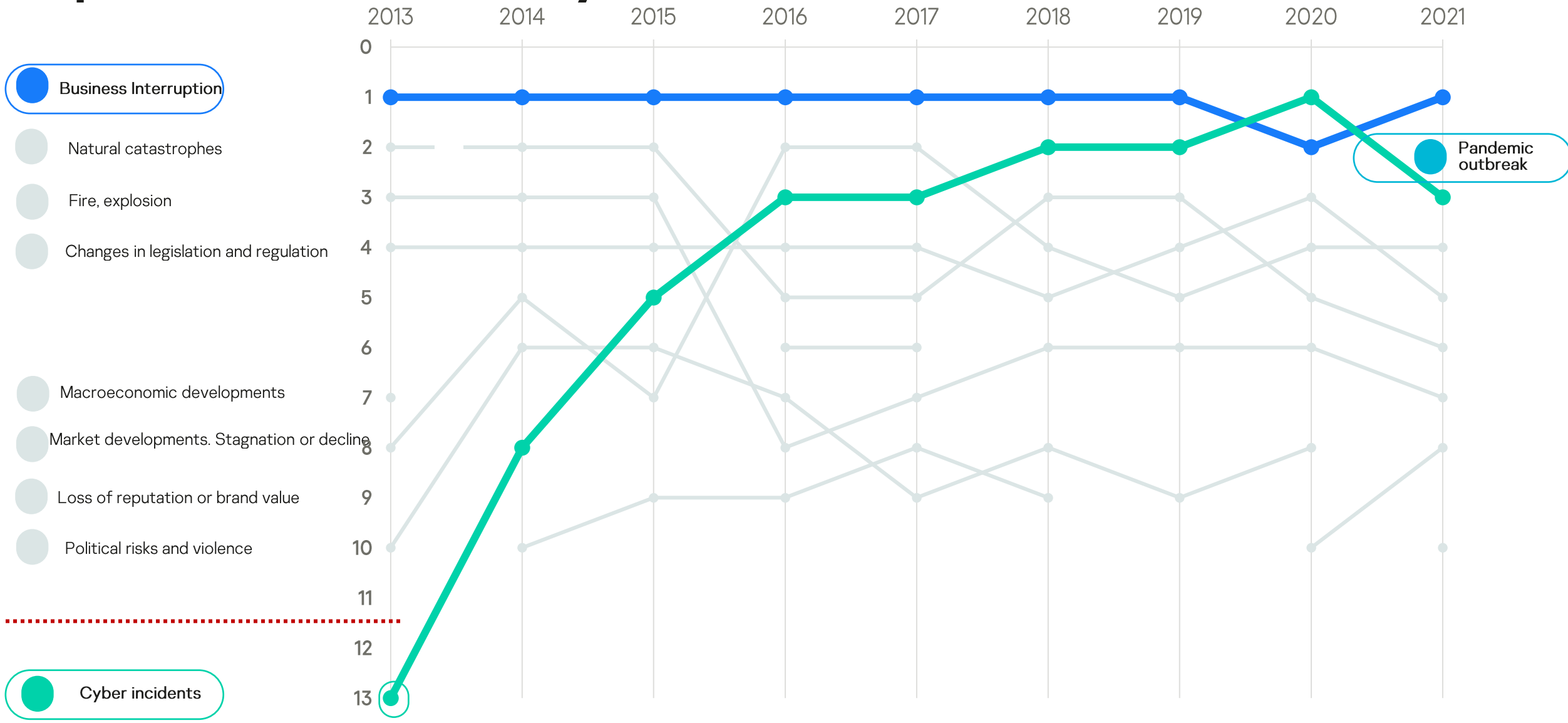
Cyber Immunity: from idea to unique IoT gateway

Kaspersky Secure IoT Gateway 100 is the first Cyber Immune IoT gateway designed to help industrial organizations securely collect data from Industrial IoT. This enables digital transformations across production processes.



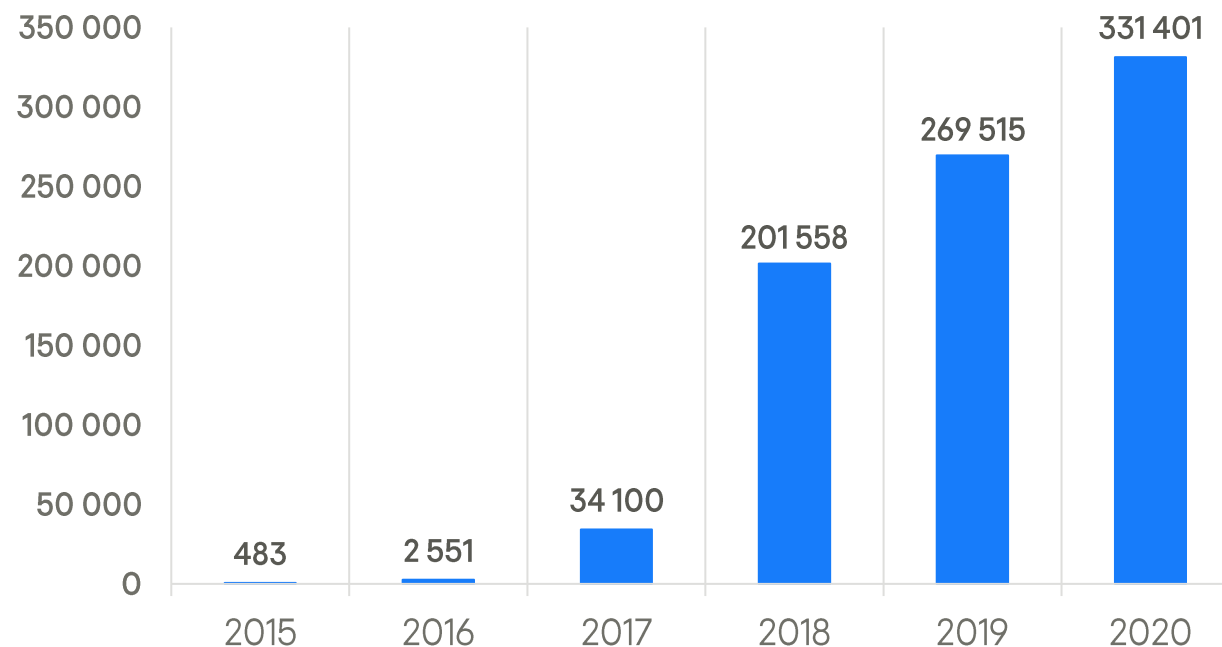
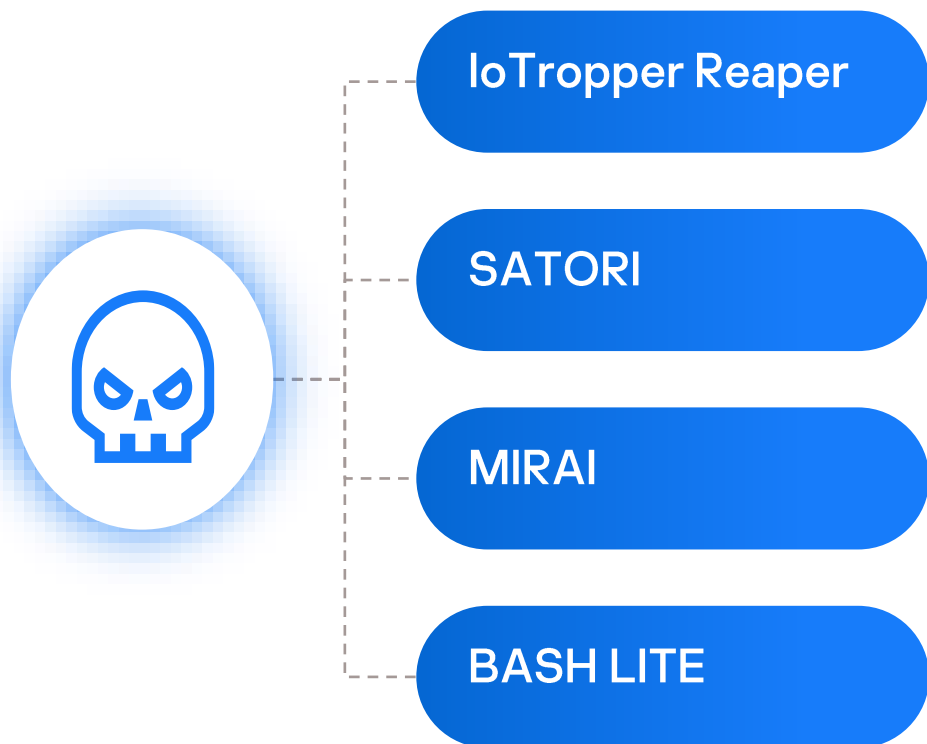
KasperskyOS
Be Immune

Top 3 business risks today



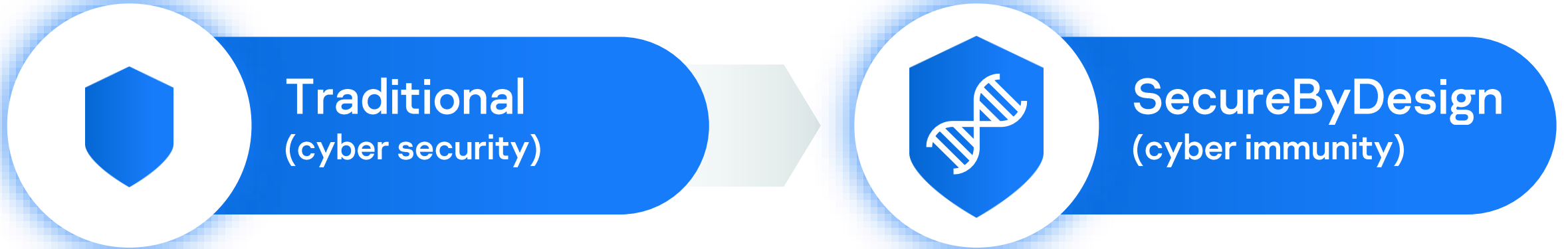
Source: Allianz risk barometer (2013-2021)

Number of new IoT threats Identified



From cyber security to cyber immunity

4



**Endless vulnerability /
antidot race**

Virus/antivirus, USB attack/device control,
fishingmail/mail protection, ddos/ddos prevention
...

**Defined by product goal
and security objective**

Micro kernel, isolated domains, security
policies

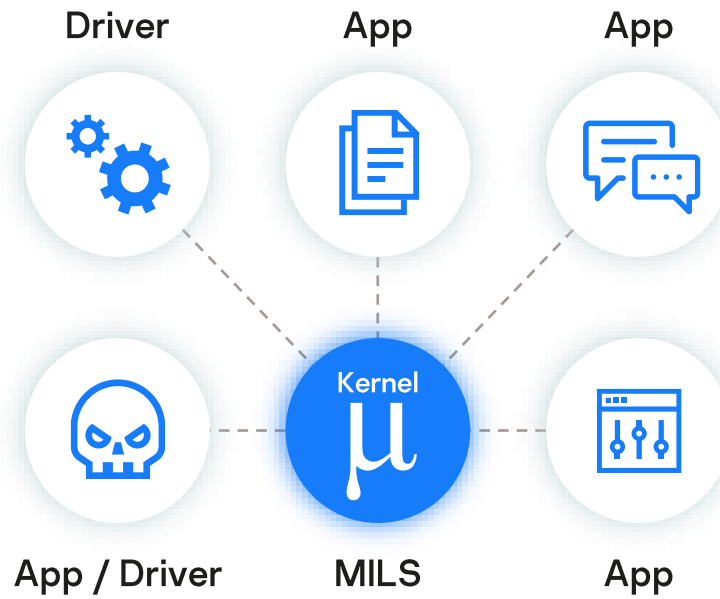
To assess and implement best scientific heritage

5

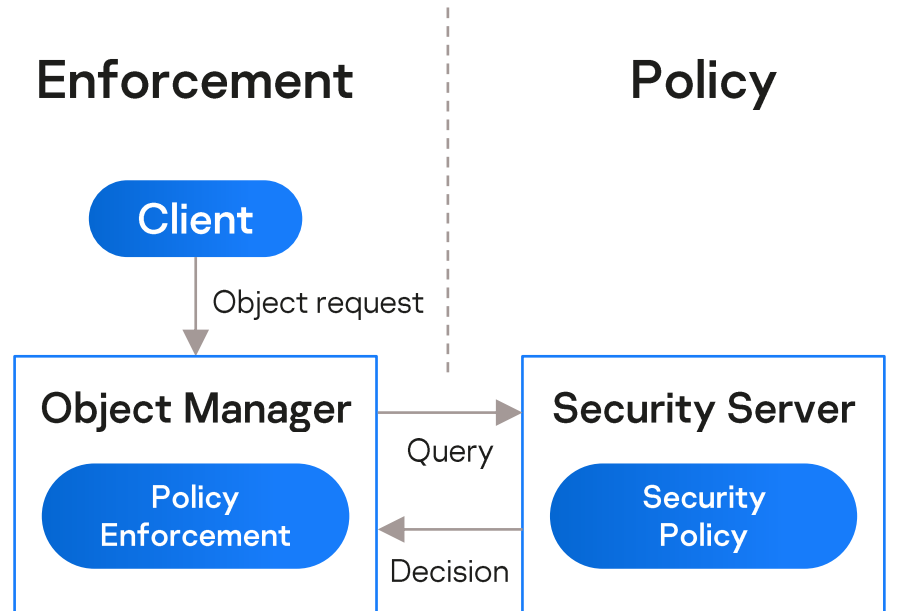
TCB



MILS



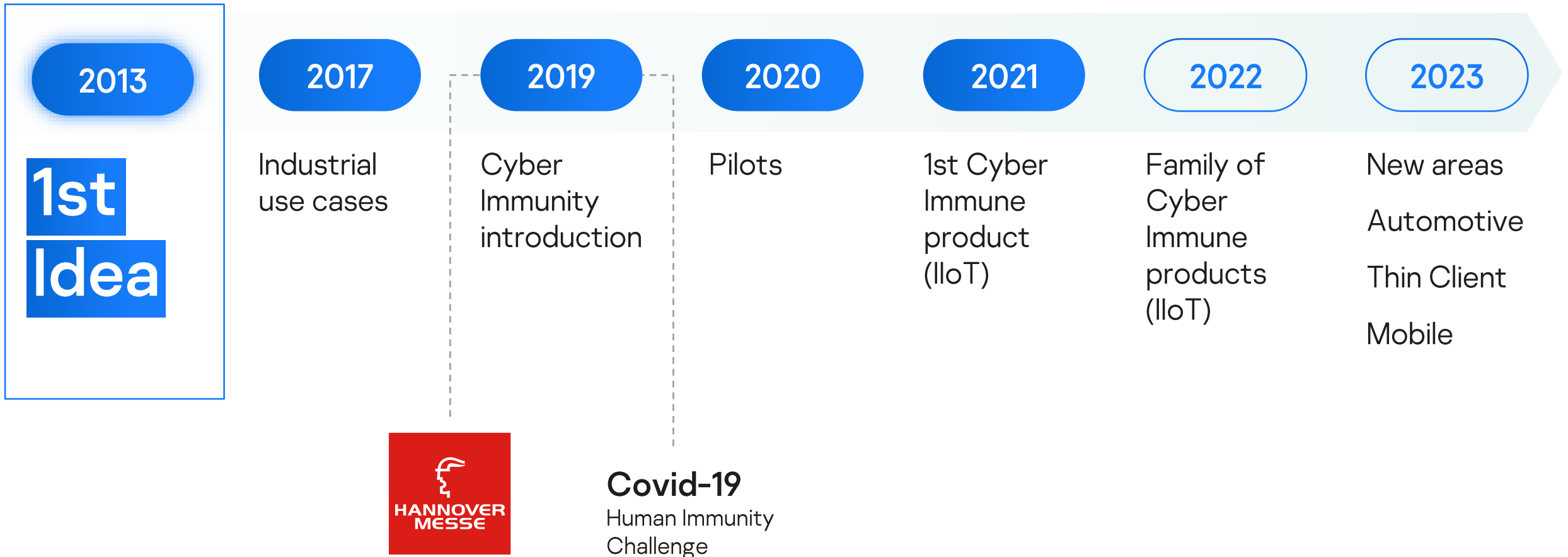
FLASK



Cyber immunity is strategic investment

6

Prediction & investments = Cyber immunity history



Scientific and
research **teaming**



IEEE



Open technology
partnership

SIEMENS

ADVANTECH

March 2021



IIC Whitepaper

MILS Architectural
Approach Supporting

Trustworthiness of the
IIoT Solutions

Rance J. DeLong (The Open Group);
Ekaterina Rudina (Kaspersky)

April 2021



Vision, Experience,
Answers for industry

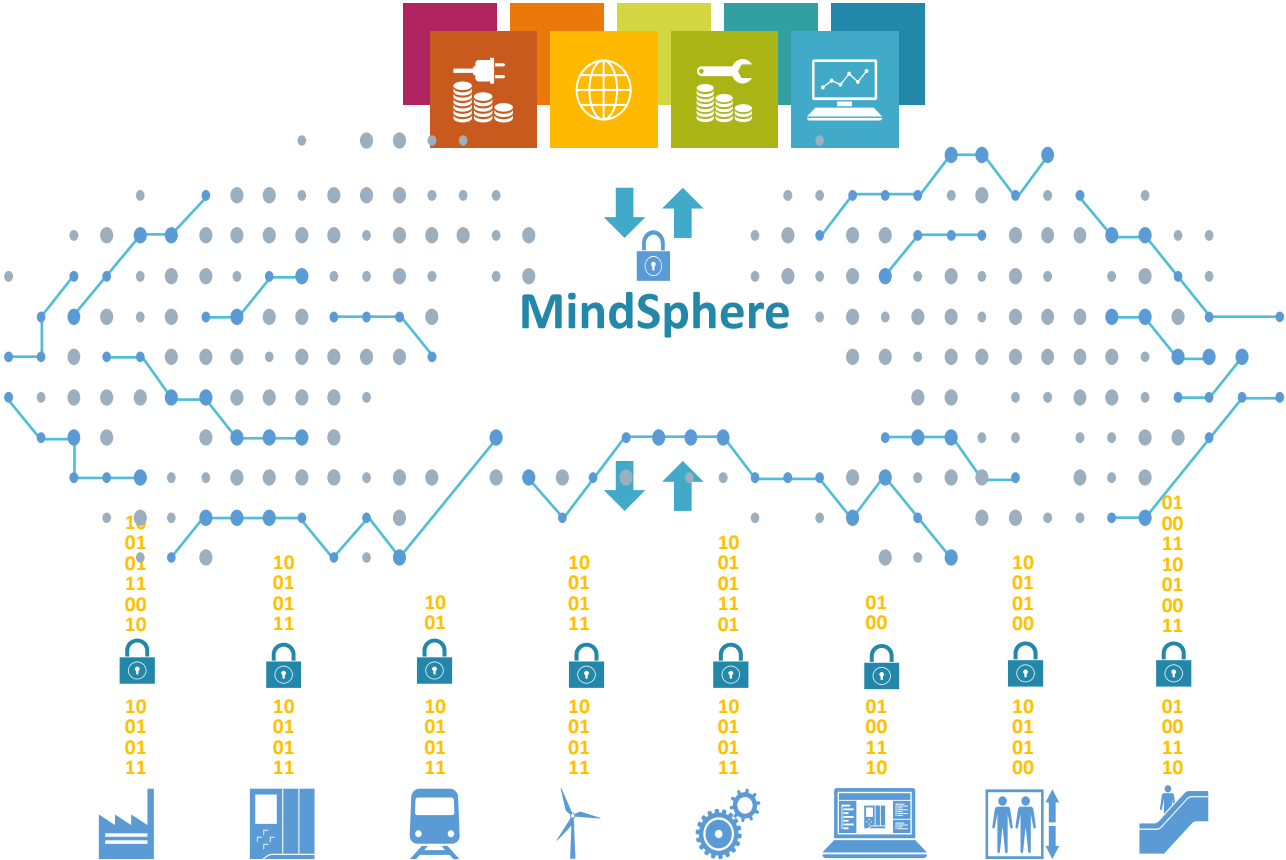
ARC Whitepaper

From cyber security to cyber immunity in IIoT

**“Cyber Immunity could be the foundation to
unleash
secure digital transformation in the industry.”**

Thomas Menze, Senior Consultant Industrial

Siemens MindSphere – open IIoT platform



IIoT. 1st cyber immune GW

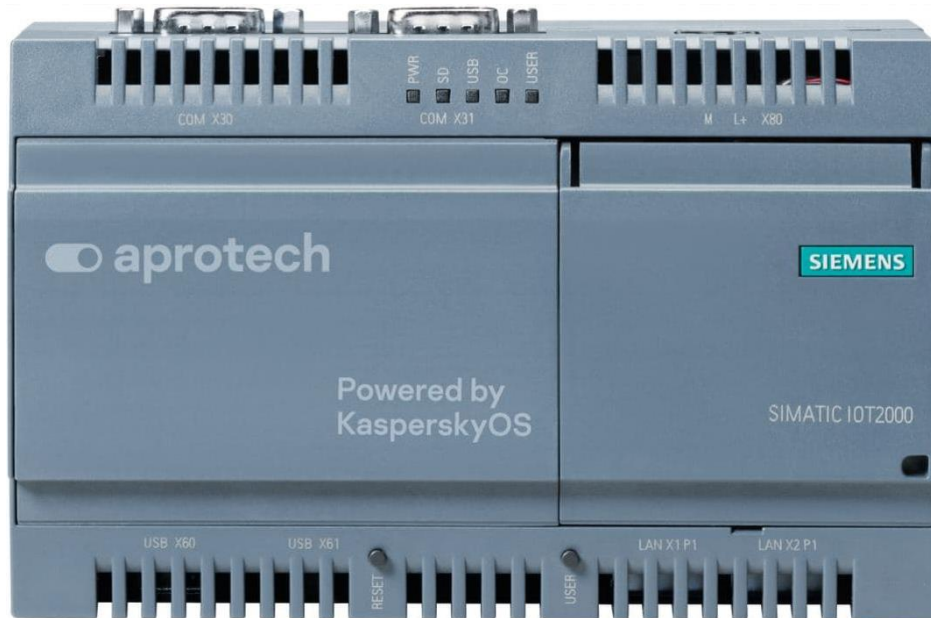


KISG 100

First cyber immune gateway

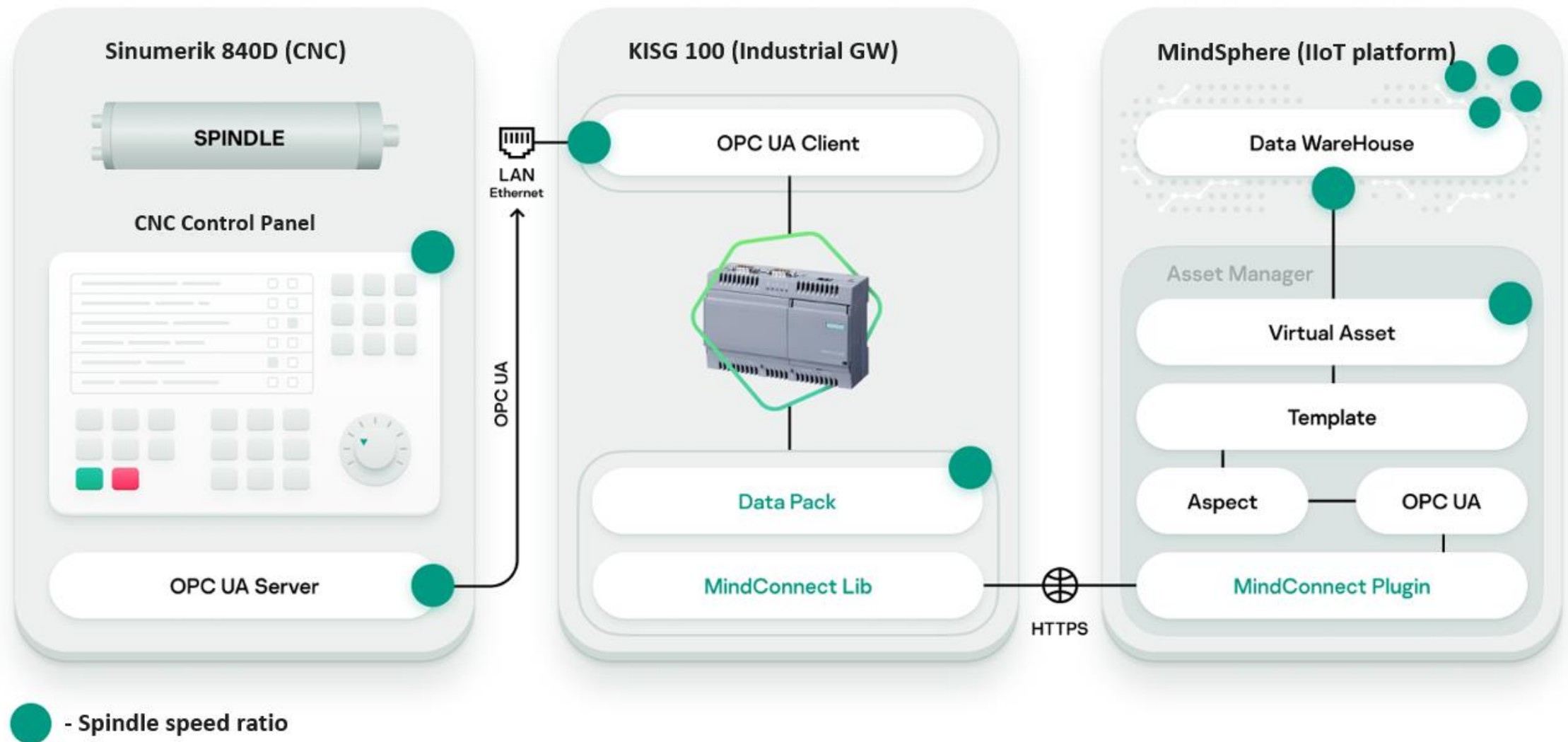
Kaspersky IoT Secure Gateway 100

KISG 100

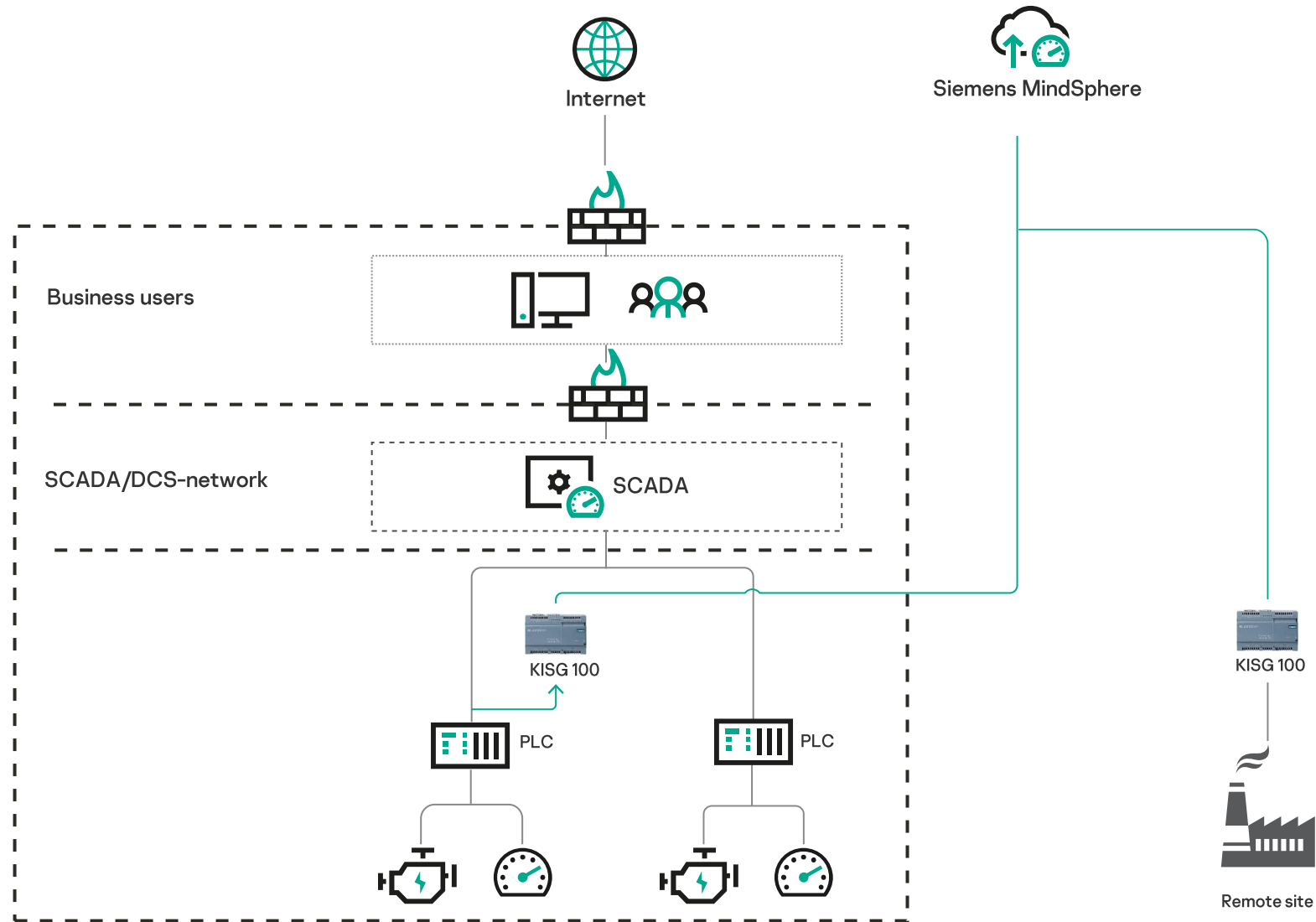


- Hardware Siemens IOT 2040
- Operation System - KasperskyOS
- OPC UA and Siemens MindSphere supporting

One rational lifecycle in era of 4.0

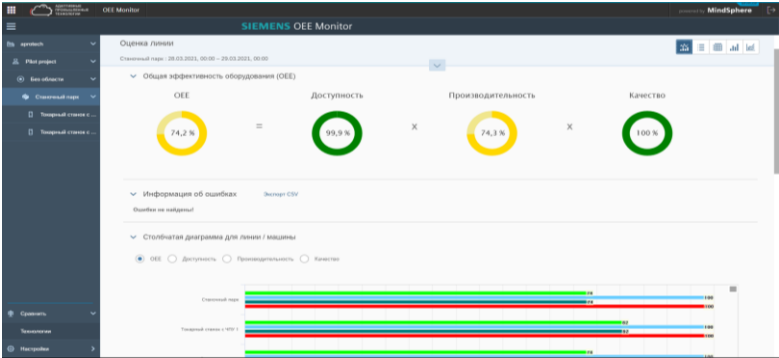


Typical architecture

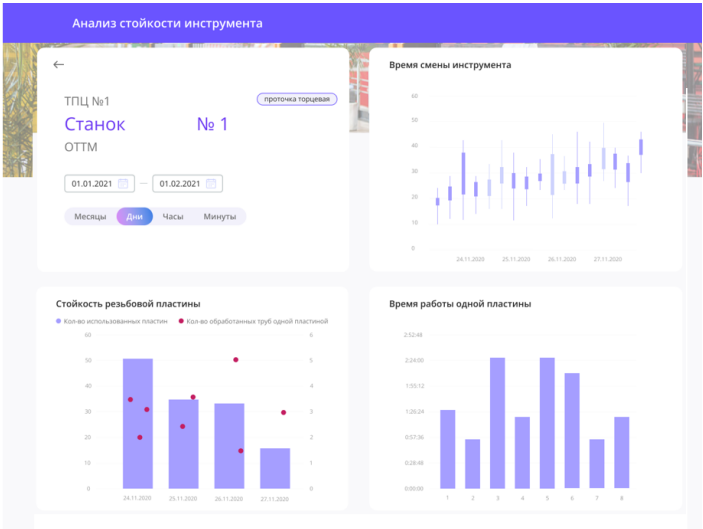


Digital evolution

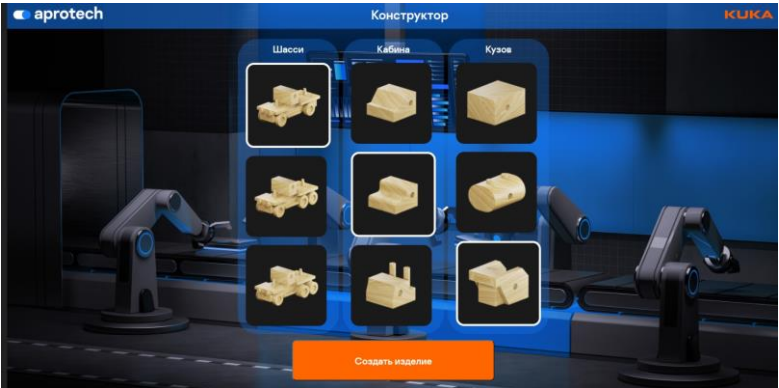
OEE monitor



CNC tooling stableness



Client-centric production



Stage1.

Advanced
monitoring

Stage 2.

Predictive
services

Step 3.

New
business model

Thank you!