

Russian developers and German engineers: Industrial IoT synergy for digital transformation.

Andrey Suvorov, CEO, Aprotech (Kaspersky IIoT company)



IIoT first Cyber Immune gateway



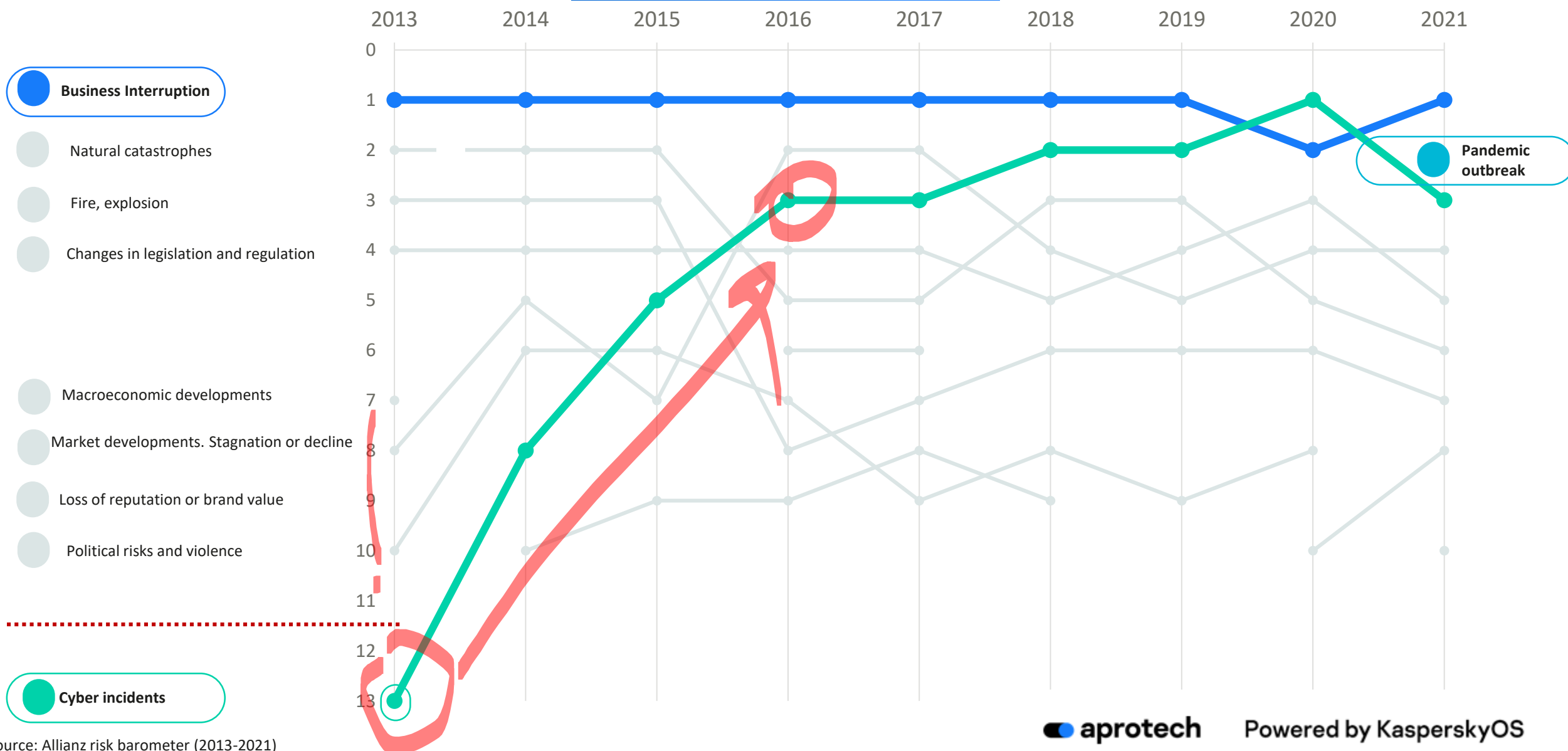
KISG 100

Part I.

Cyber Immunity

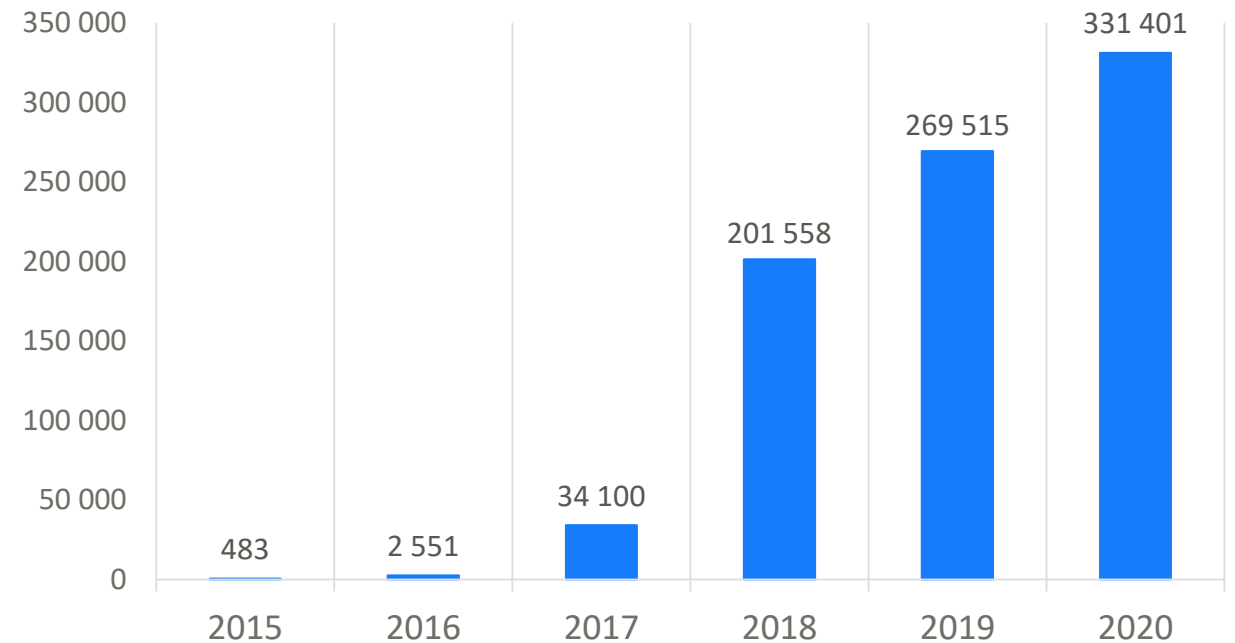
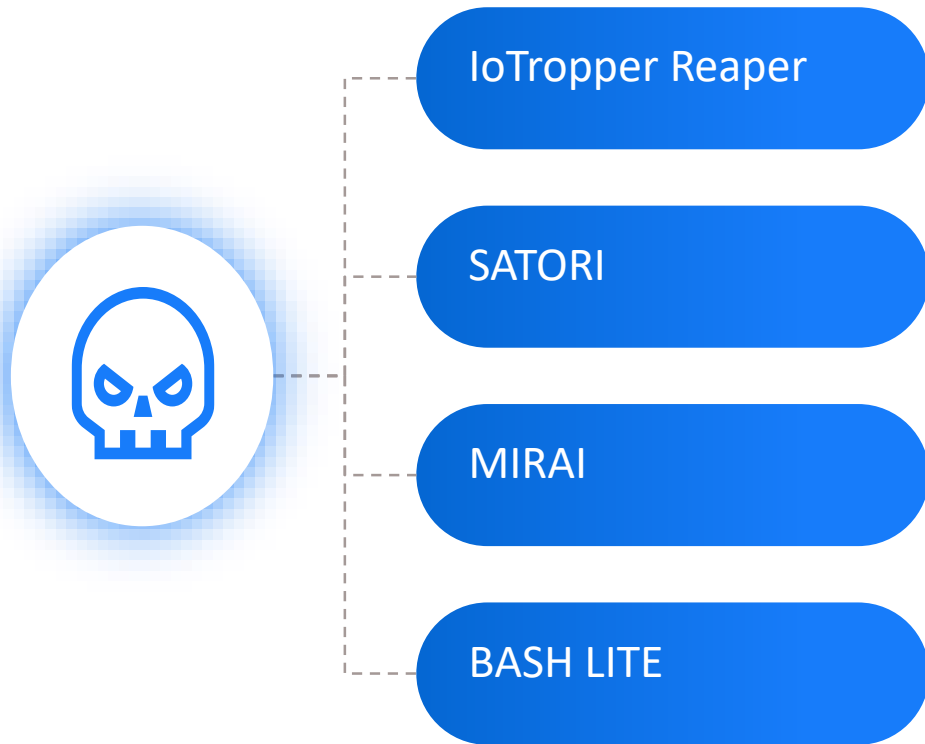
Top 3 business

risks today



Number of new IoT

threats Identified



From cybersecurity to



Traditional
(cybersecurity)

Endless vulnerability /
antidot race

Virus/antivirus, USB attack/device control, email
fishing /email protection, DDoS/DDoS prevention

Cyber Immunity



Secure-By-Design
(Cyber Immunity)

Defined by product goal
and security objective

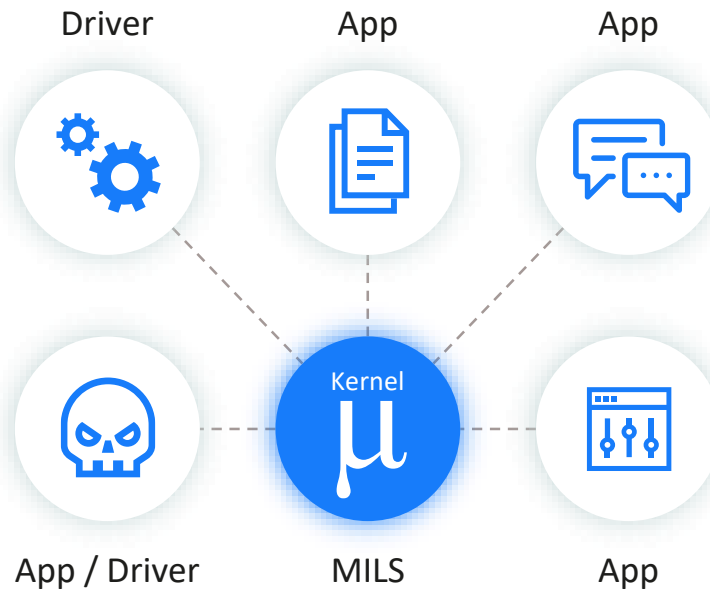
Microkernel, isolated domains, security
policies

To assess and implement scientific heritage

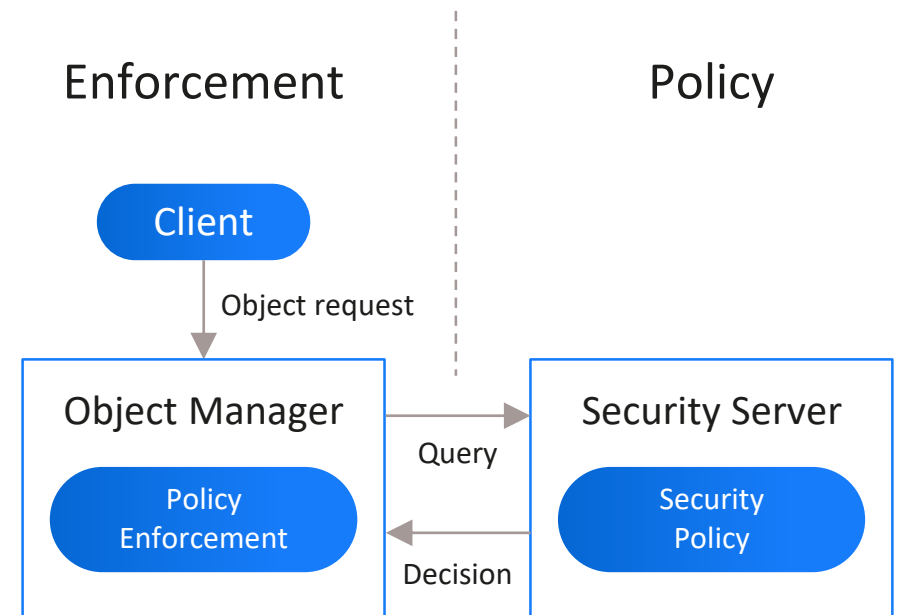
TCB



MILS



FLASK



KasperskyOS vs

traditional OS

TCB

MILS

FLASK

✓✓

20+

✓SS

SM

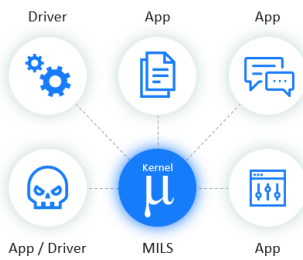
X

X

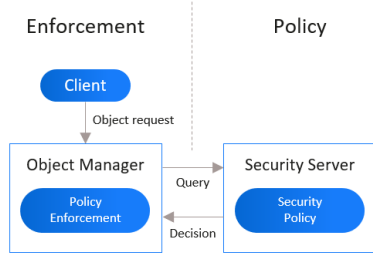
TCB



MILS



FLASK



aprotech

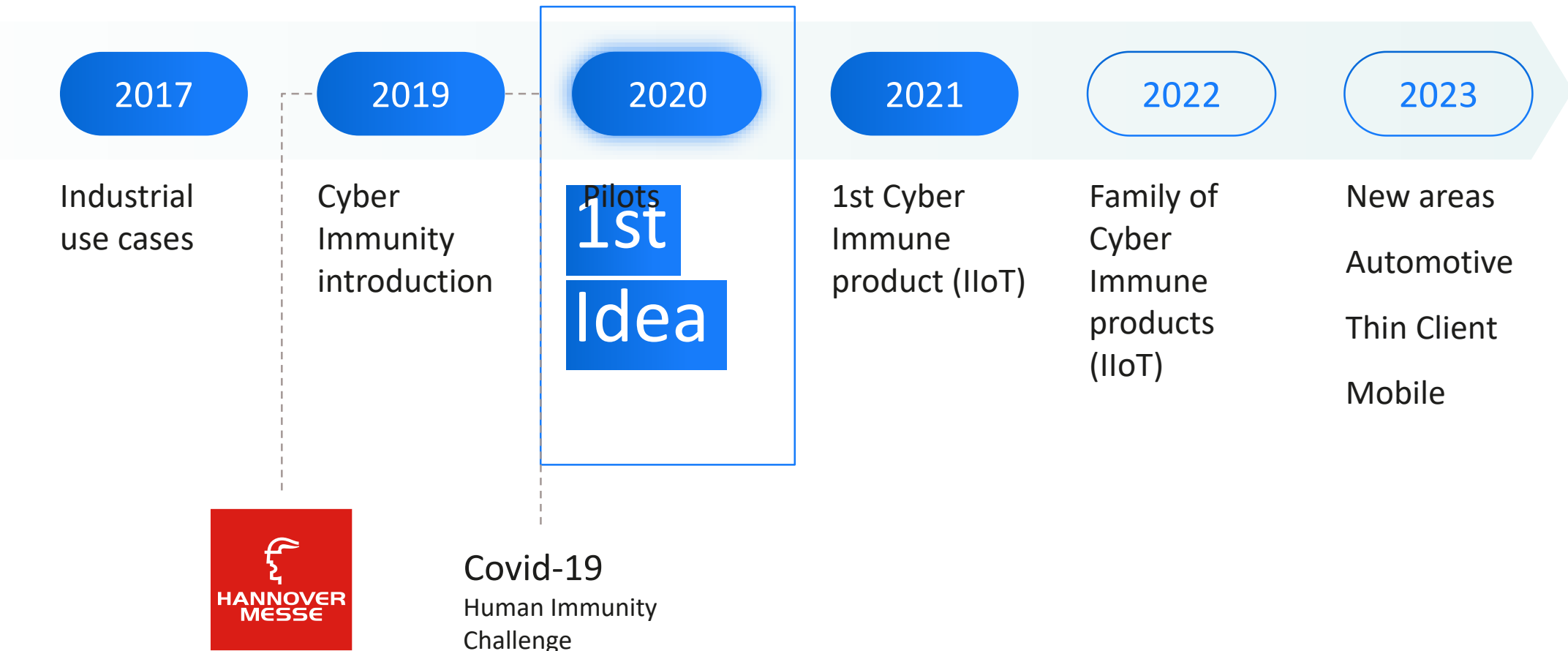
Powered by KasperskyOS

Cyber Immunity is

strategic investment

Prediction & investments

= Cyber Immunity history



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.”**

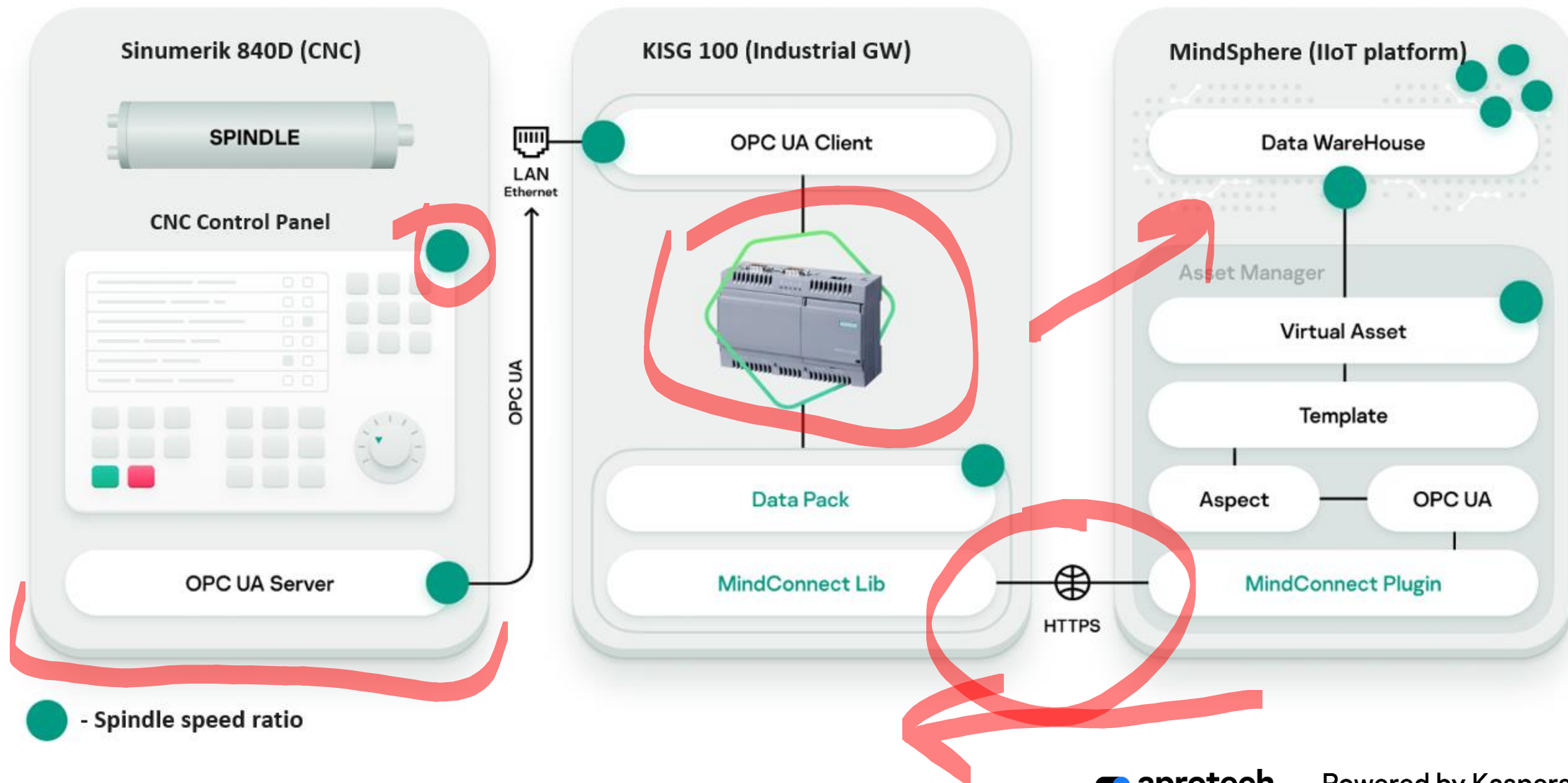
Thomas Menze, Senior Consultant Industrial

Part II.

Trusted data

One ration

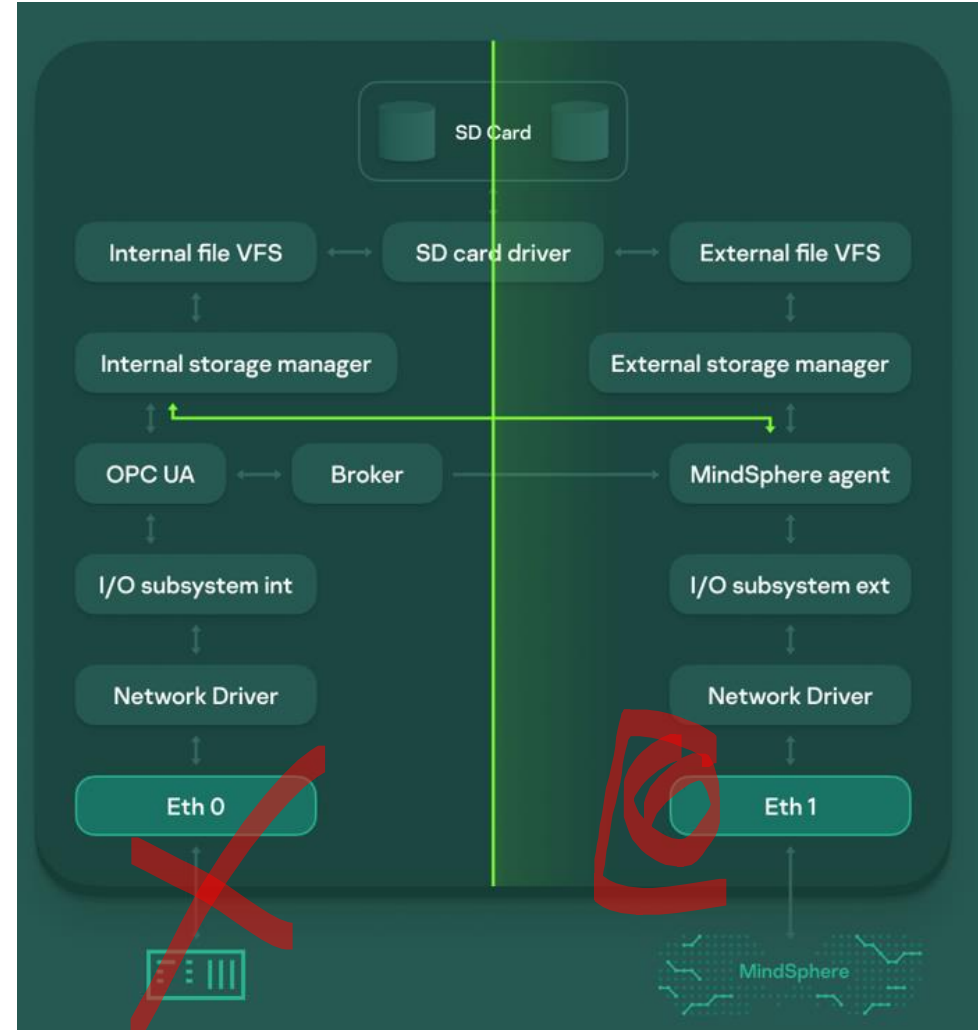
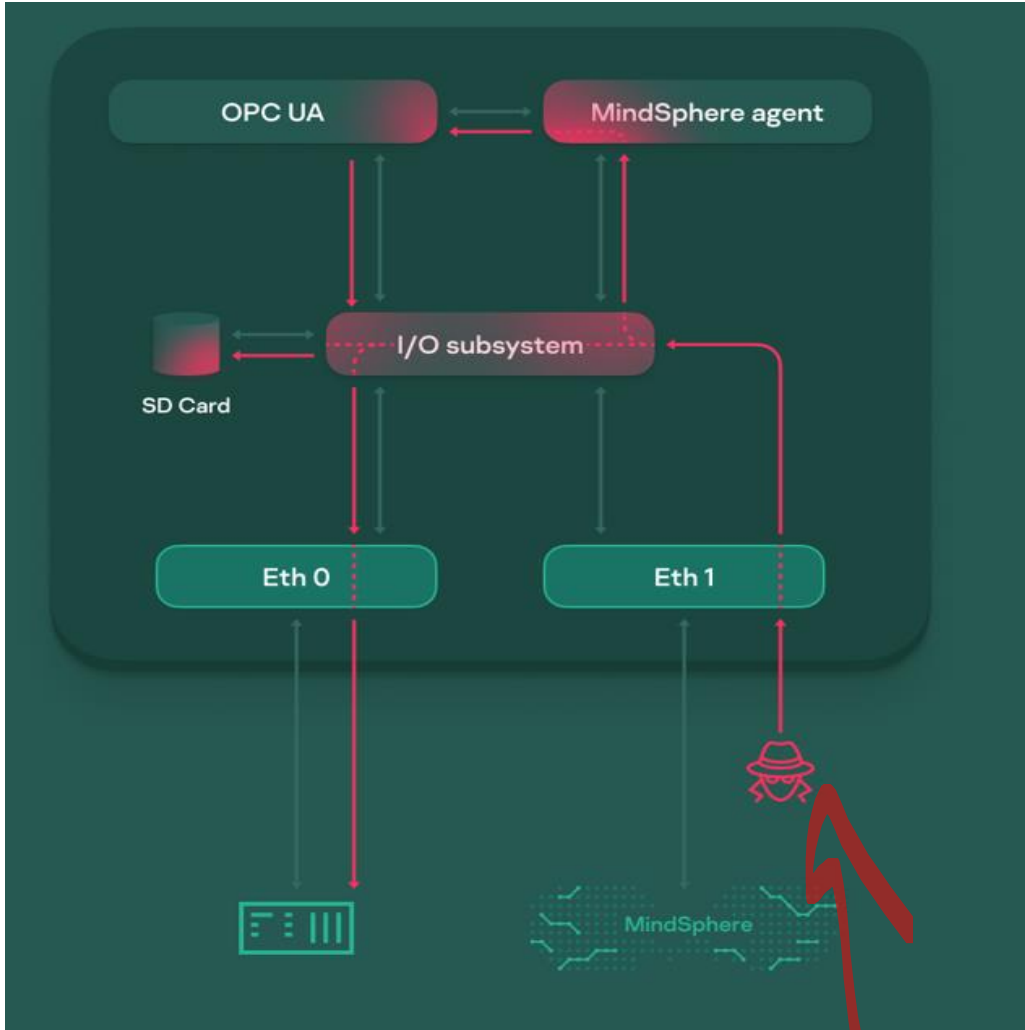
lifecycle in era of 4.0



Potential IIoT

risk vectors

CyberTm

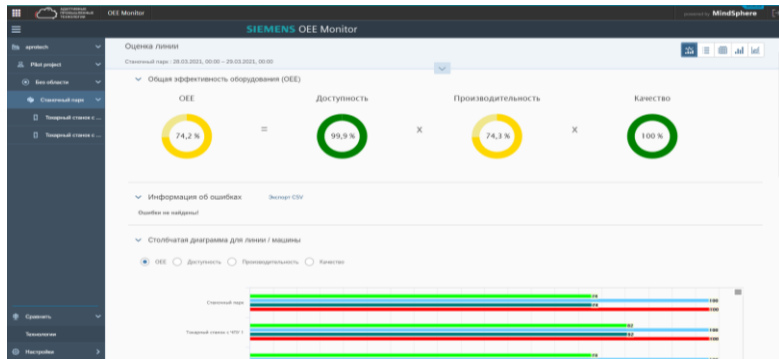


Part III.

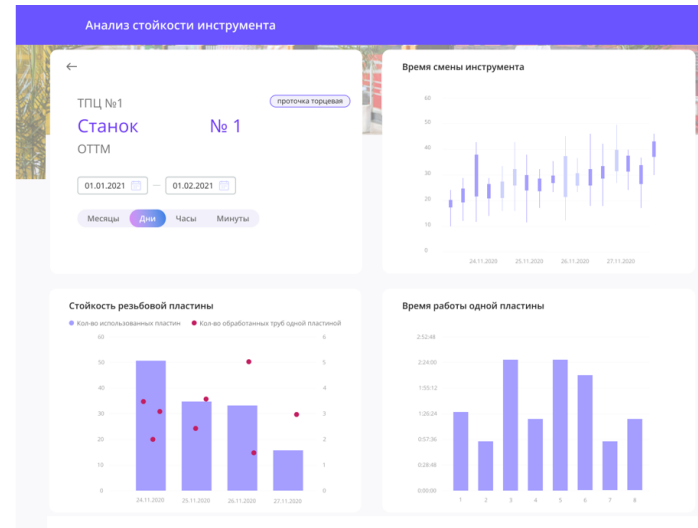
Business value

Digital evolution

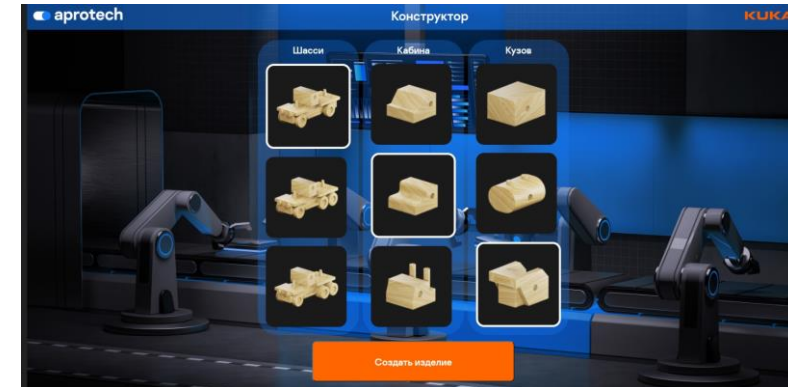
OEE monitor



CNC tooling stableness



Client-centric production



Stage1.

Advanced
monitoring

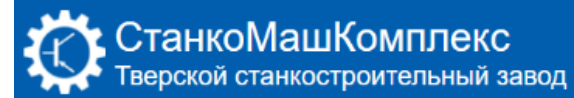
Stage 2.

Predictive
services

Step 3.

New business
model

Digital transformation (based on trusted data) **in action**



Full video

25 min

<https://www.youtube.com/watch?v=ABQfxLQ6cpc>

Next steps for your

digital journey

STEP 1 Connection

Industrial data examination,
MindSphere access ,

KISG 100 connection to industrial
assets



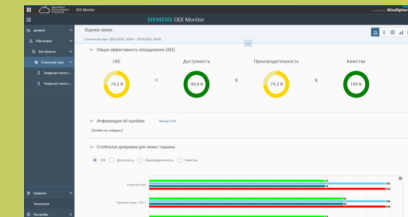
STEP 2 Configuration

Connection settings up,

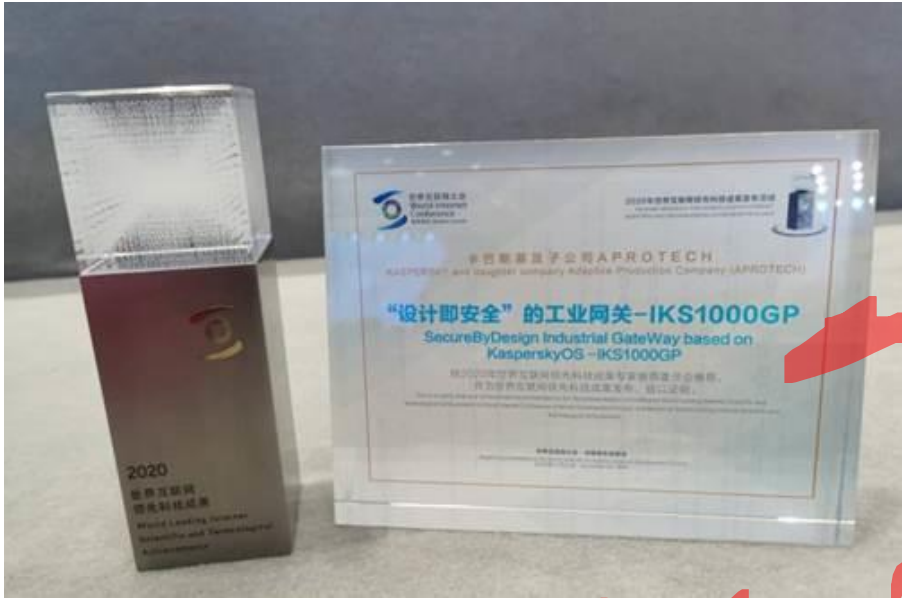
Industrial sources linkage with IIoT
platform

STEP 3 Digital App. start

Advanced monitoring, predictive
maintenance, anomaly detection,
etc.



Global award for Cyber Immune gateway



Thank you!