



Industry 4.0 solutions on Microsoft Azure

We help large and medium-sized Manufacturing enterprises to adjust processes and improve their management system based on Industry 4.0 ideology:

- Research and Development (Engineering)
- People and equipment integration (Industrial IoT)
- Optimal production planning (AI, APS/MES)
- Equipment predictive maintenance systems (RCM)

Clobbi solutions:



Clobbi. SmartFactory
(MRP, APS/MES, AI)



Clobbi.Engineering
(R&D, PLM/PDM)



Clobbi.DigitalTwins
(IIoT, VR/AR)



Clobbi.SmartEAM
(RCM, Predictive maintenance)



T R A N S 4 M A T I O N

In collaboration with Clobbi & Microsoft

First Industry 4.0 Forum in
Eastern Europe

22
November 2019

Parkovy Congress and Exhibition Center,
Kyiv, Ukraine

The speakers of **Trans4mation** forum will share with you how **Industry 4.0** technologies increase business profitability, what problems have to be solved during digital transformation, what cases can already be implemented in your company and how much digitalization will cost your business.



Jan Peter De Jong

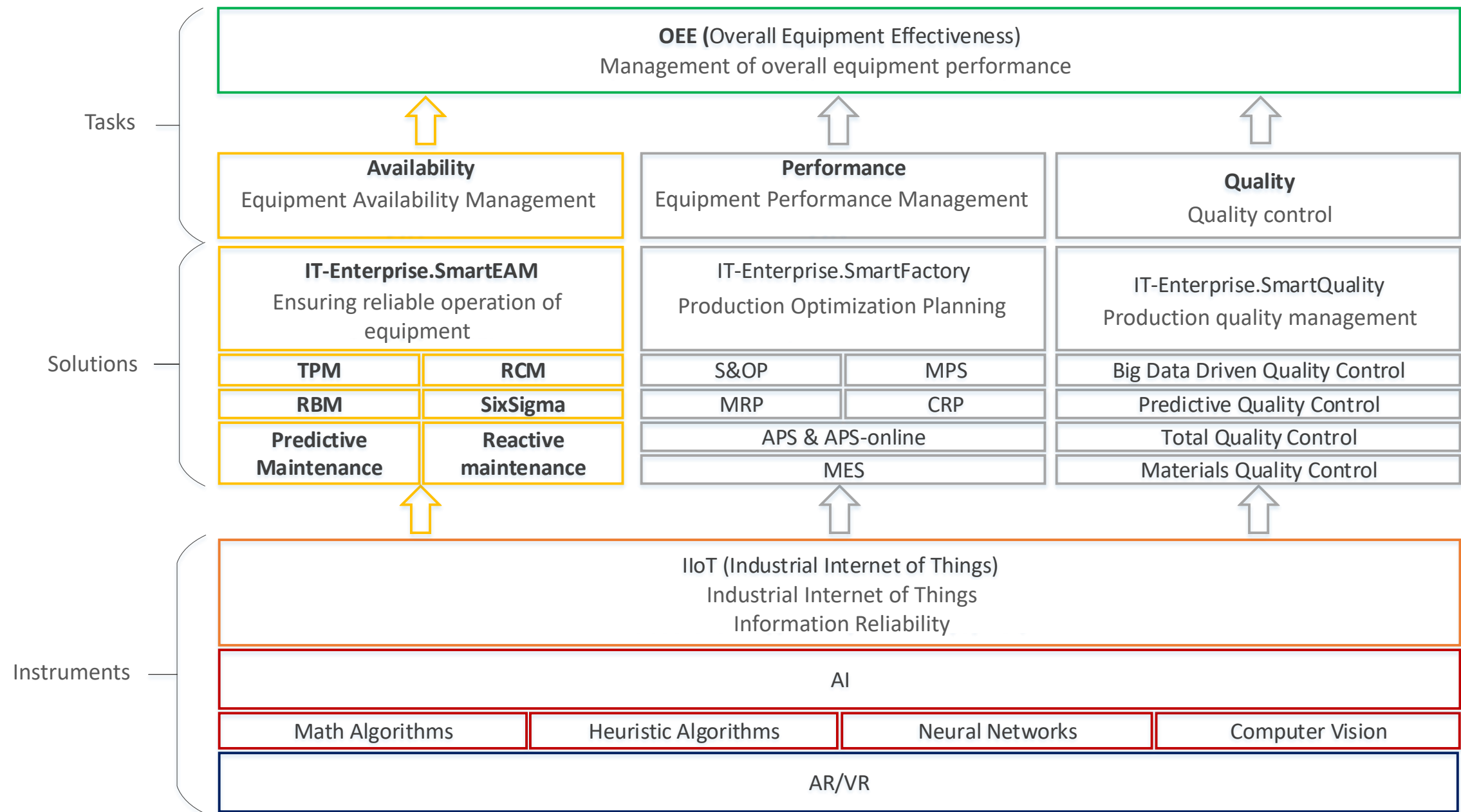
Country Manager Ukraine at
Microsoft



Ruthy Kaidar

Chief Startups Lead and Software
Partners Technical Lead Central &
Eastern Europe, Microsoft, Israel

Clobbi Production Management Target Model



Clobbi – is a fully functional IIoT platform

New architecture – from sensor to management solution

Clobbi.IIoT-Edge Level

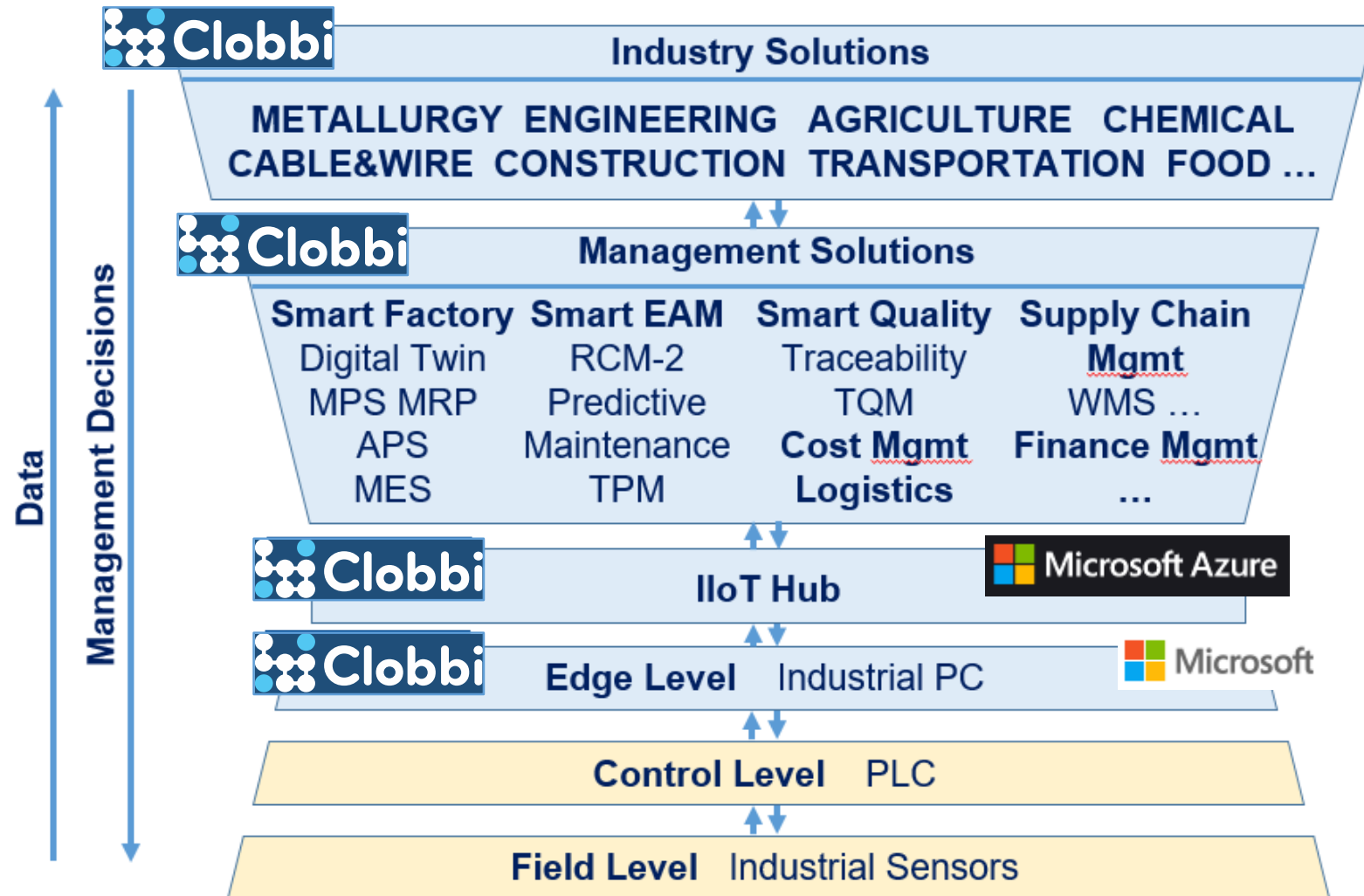
- Speed
- Compatibility
- Stability
- Autonomy

Clobbi.IIoT-Hub Level

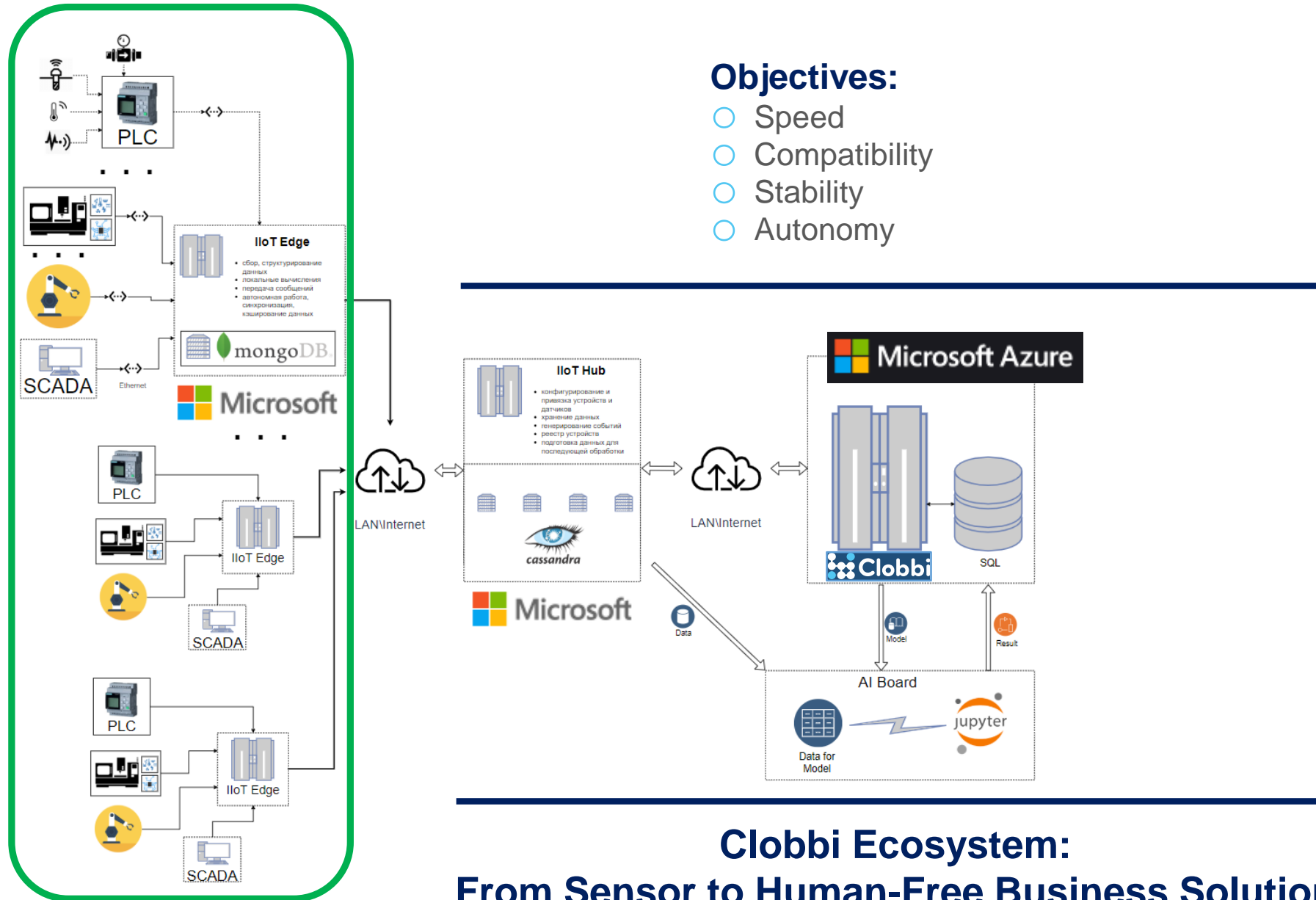
- Scalability
- Cross-platform
- Big data

Clobbi.IIoT-Business Applications Level

- Functionality
- Business Solution
- Unification



Clobbi – is a fully functional IIoT platform



Clobbi supports protocols:

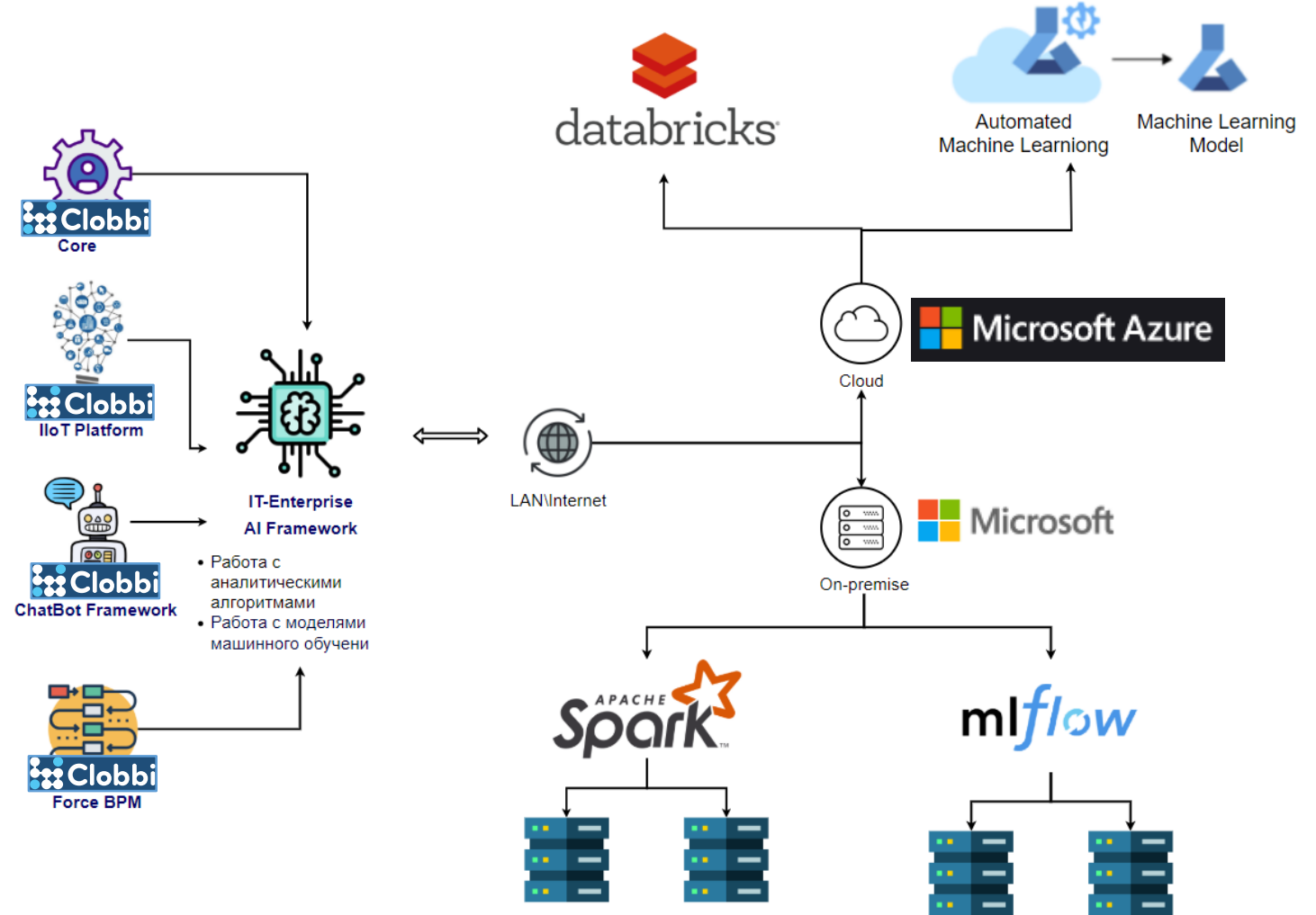
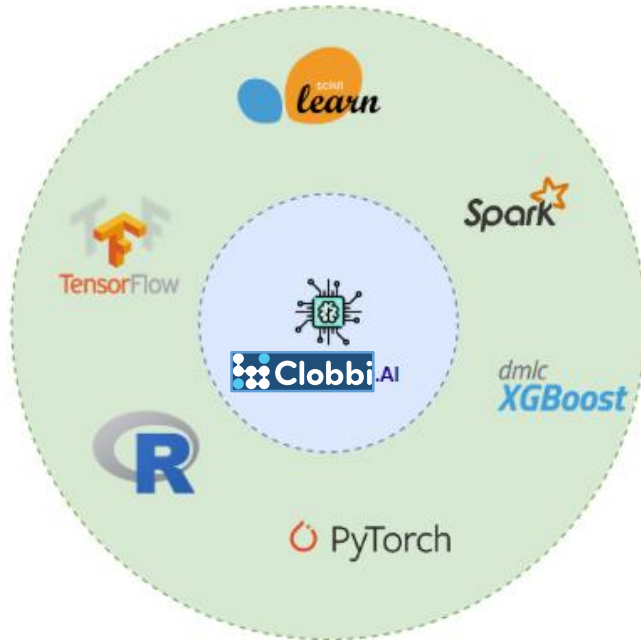
- Modbus TCP
- Modbus RTU
- ProfiNet
- ProfiBus
- OPC UA
- MQTT
- TCP
- UDP
- WebSocket
- HTTP/HTTPS
- EtherCat
- Omron FINS
- Fanuc FOCAS
- ...

Clobbi AI Framework

Creating business solutions using Artificial intelligence

Architecture that allows you to solve business problems

- There is no restriction on the model development environment
- No load on application server
- Unified Approach
- Ability to perform both in the cloud and on the "ground"





5 to 20%



Output Volume
Increase

30 to 50%



Less Total Machine
DownTime

20 to 30%



Higher overall equipment
efficiency (OEE)

10 to 40%



Reduction of
maintenance costs

20 to 50%



Shorter time-to-market

95%



Customer Service Level
Increase

Intelligent enterprise solution
for manufacturing



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