

Open Source Cloud Solutions for Industry 4.0

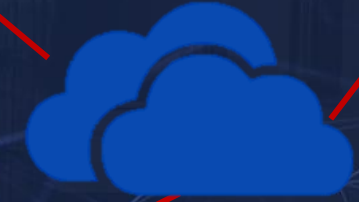


Dashboards



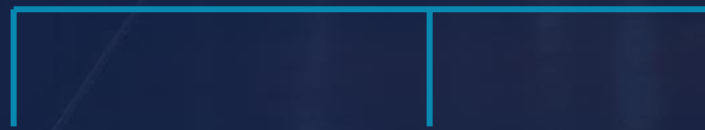
Industrial protocols

- Codesys
- S7 /Profinet
- Modbus RTU
- Modbus IP
- CANBUS
- REST
- LUA



IT protocols

- MQTT via IDS to AWS
- OPC UA
- SMS
- SNMP





Industrial Router

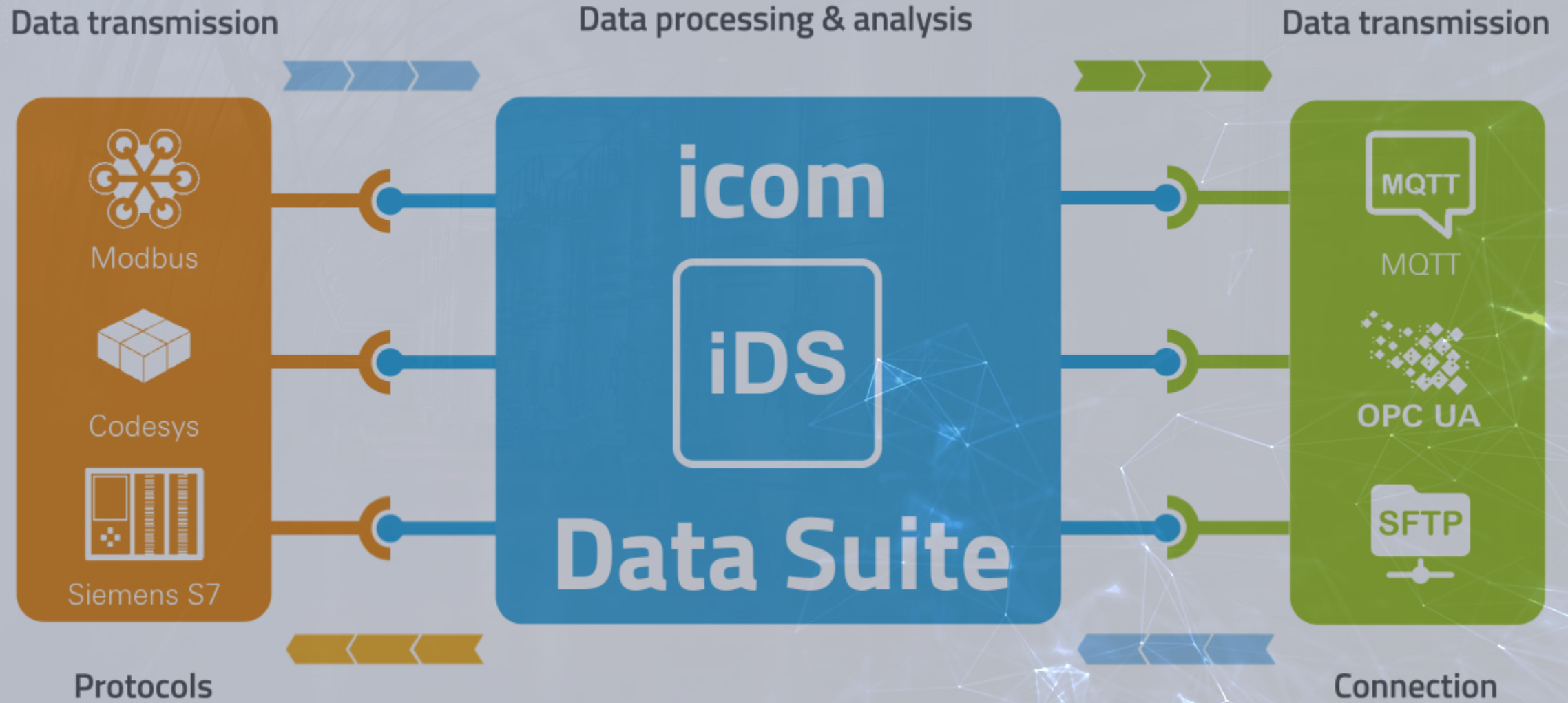
- LAN to WAN
- LAN to 4G
- VPN services
- Firewall



Industrial Router (Datasuite)

- Industrial Protocols to MQTT (Modbus, Siemens, OPC UA)
- Linux Containers
- Develop your own software
- Store and forward system to locally store information

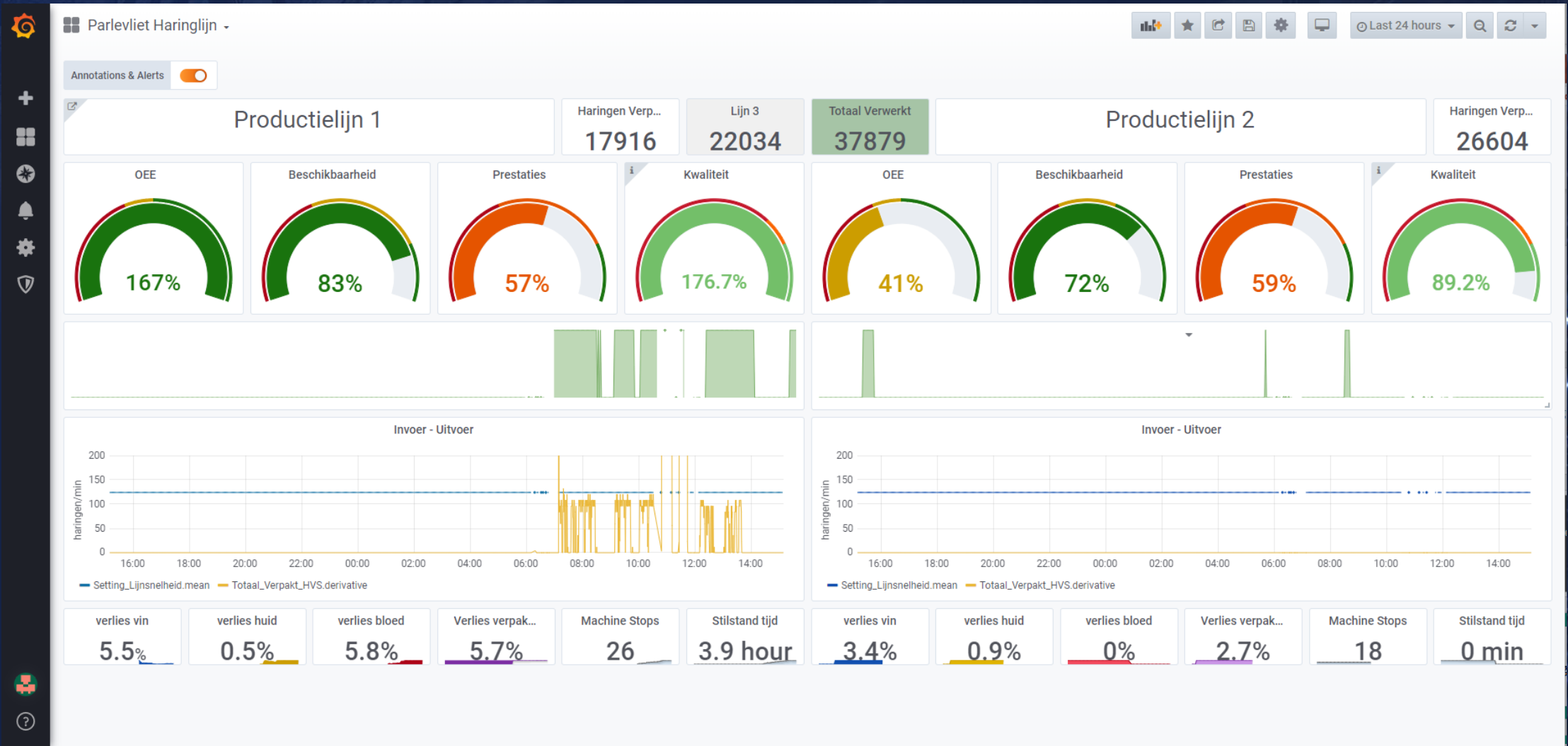
From Fillet machine to Amazon AWS-IOT





Focus on service

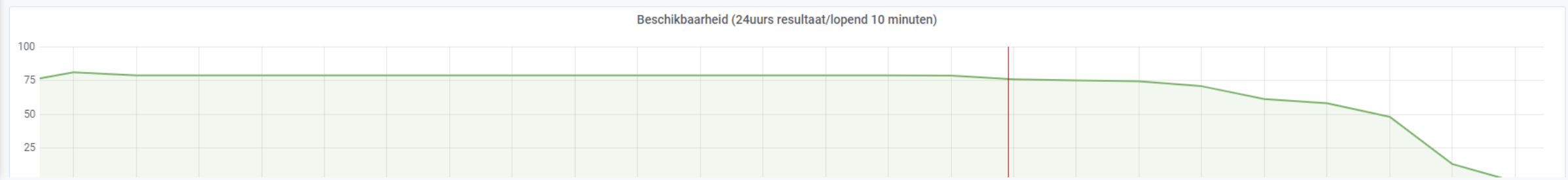
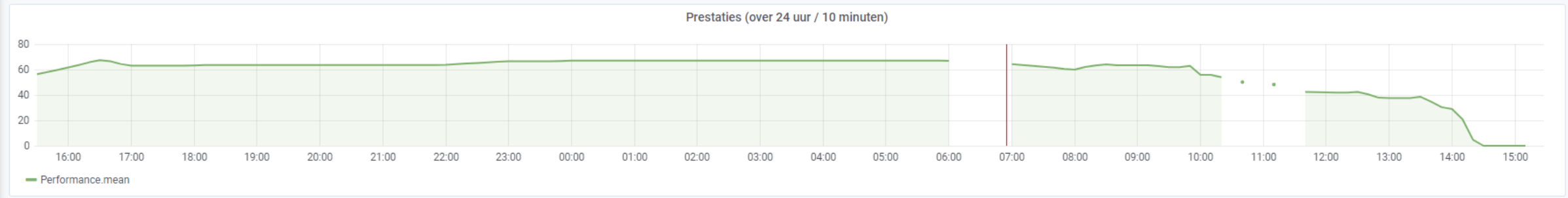
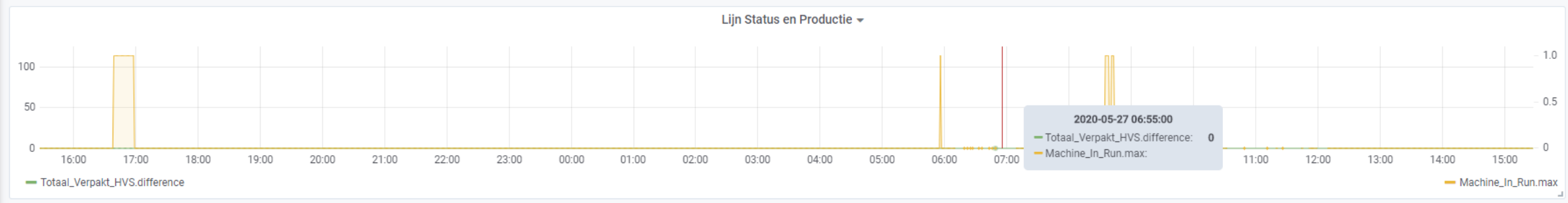
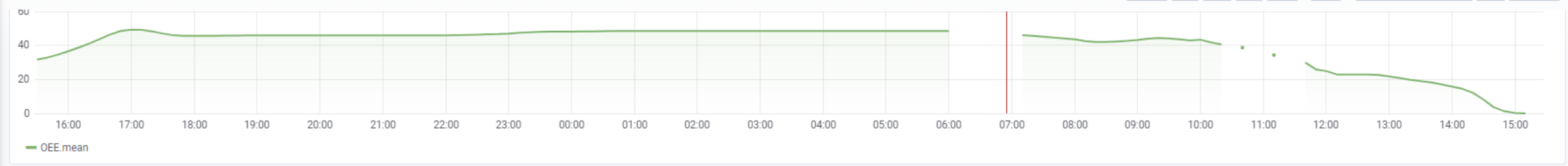
- How to overcome distance ?
- How is machine operating ?
- When to do maintenance ?
- Deliver machine as pay per use model?













OEE Trends

📊 ⭐ 🔄 📄 ⚙️ 🗨️ 🕒 Last 24 hours 🔍 ↺



Export Productie -






Last 7 days



Export Lijn1											
Time	Runtime	Verpakt	Afkeur Vin	Afkeur Huid	Afkeur Bloed	Overshoot	Perc. Vin	Perc. Huid	Perc. Bloed	Perc. Overshoot	
2020-05-27 06:00:00	15.3	17916	1108	112	1239	1018	5.80%	0.44%	5.27%	2.95%	
2020-05-26 06:00:00	0	12	0	0	0	0	-	-	-	-100.00%	
2020-05-25 06:00:00	0	18	0	0	0	0	-	-	-	-100.00%	
2020-05-24 06:00:00	0	0	0	0	0	0	-	-	-	-	
2020-05-23 06:00:00	0	0	0	0	0	0	-	-	-	-	
2020-05-22 06:00:00	0.0	0	0	0	0	0	-	-	-	-	

Export Lijn2											
Time	Runtime	Verpakt	Afkeur Vin	Afkeur Huid	Afkeur Bloed	Overshoot	Perc. Vin	Perc. Huid	Perc. Bloed	Perc. Overshoot	
2020-05-27 06:00:00	0.3	0	0	0	0	0	3.40%	-	0%	-	
2020-05-26 06:00:00	5.3	26604	960	253	399	724	3.64%	0.88%	1.29%	2.55%	
2020-05-25 06:00:00	4.4	14910	470	344	346	525	3.00%	2.25%	2.06%	3.66%	
2020-05-24 06:00:00	0.0	0	0	0	0	0	-	-	-	-	
2020-05-23 06:00:00	0	0	0	0	0	0	-	-	-	-	
2020-05-22 06:00:00	6.7	53016	2348	417	697	1109	4.10%	0.74%	1.23%	2.10%	

Export Lijn3	
Time	Verwerkt
2020-05-27 06:00:00	22034
2020-05-26 06:00:00	18479
2020-05-25 06:00:00	13930
2020-05-24 06:00:00	0



Industry 3.0

From Manual Labor to Smart Manufacturing

4 types of camera systems to determine quality

4 stages to fillet the herring

Optimize production from 6 persons to 2 persons

Analyse production Performance

Use I-IOT

Calculate Price per herring (=was price per Kg)

Data analysis as Remote service

Industry 4.0

We Are Open Source – We deliver open source

Industrial IOT as a service based on Industrial Routers and Cloud Solutions

Deliver Connectivity to control systems

Projects and Service

Consultancy



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