



Innovative Factories

Driving Digital Transformation at the Shop Floor





Microsoft



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sogeti

Part of Capgemini



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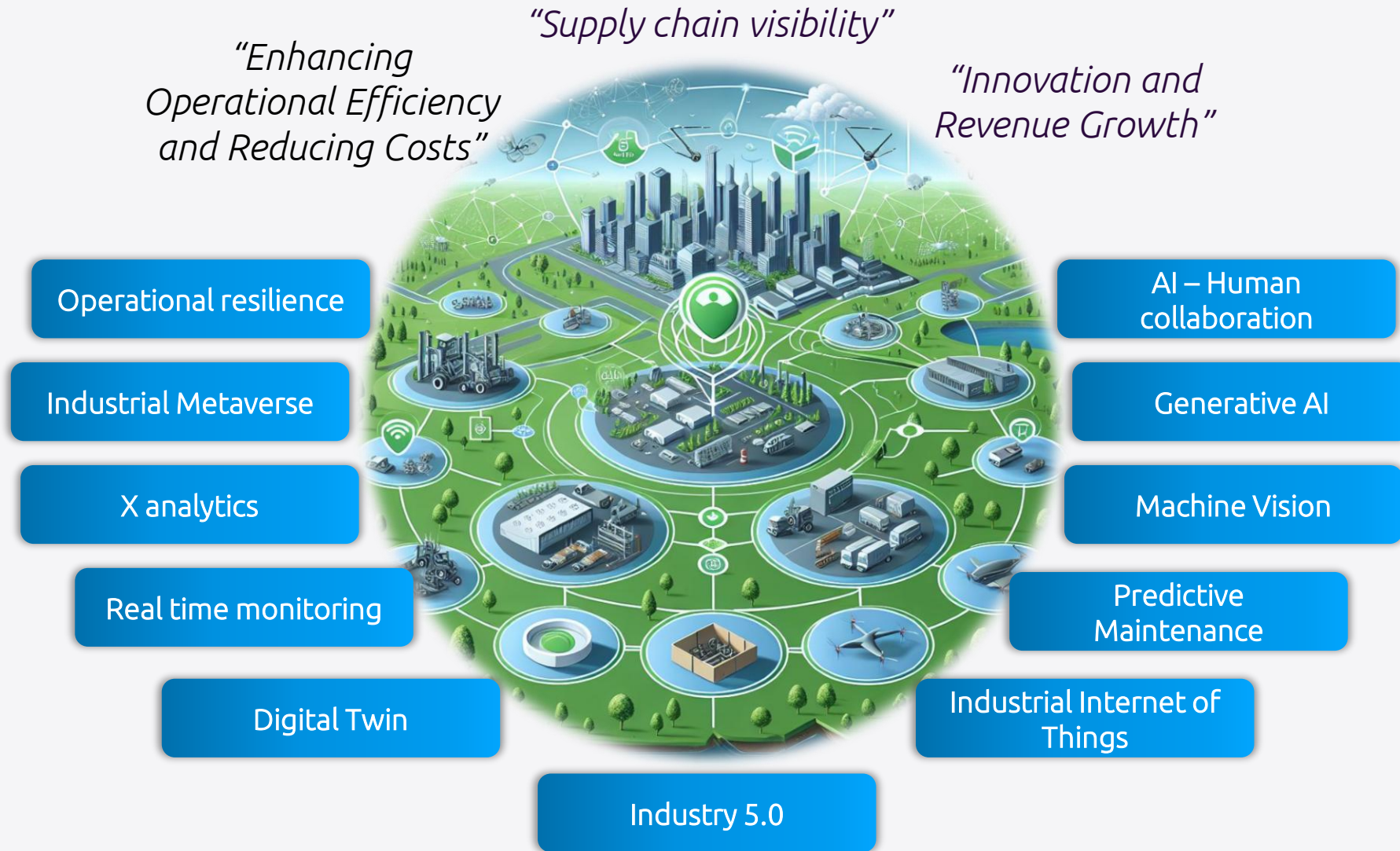
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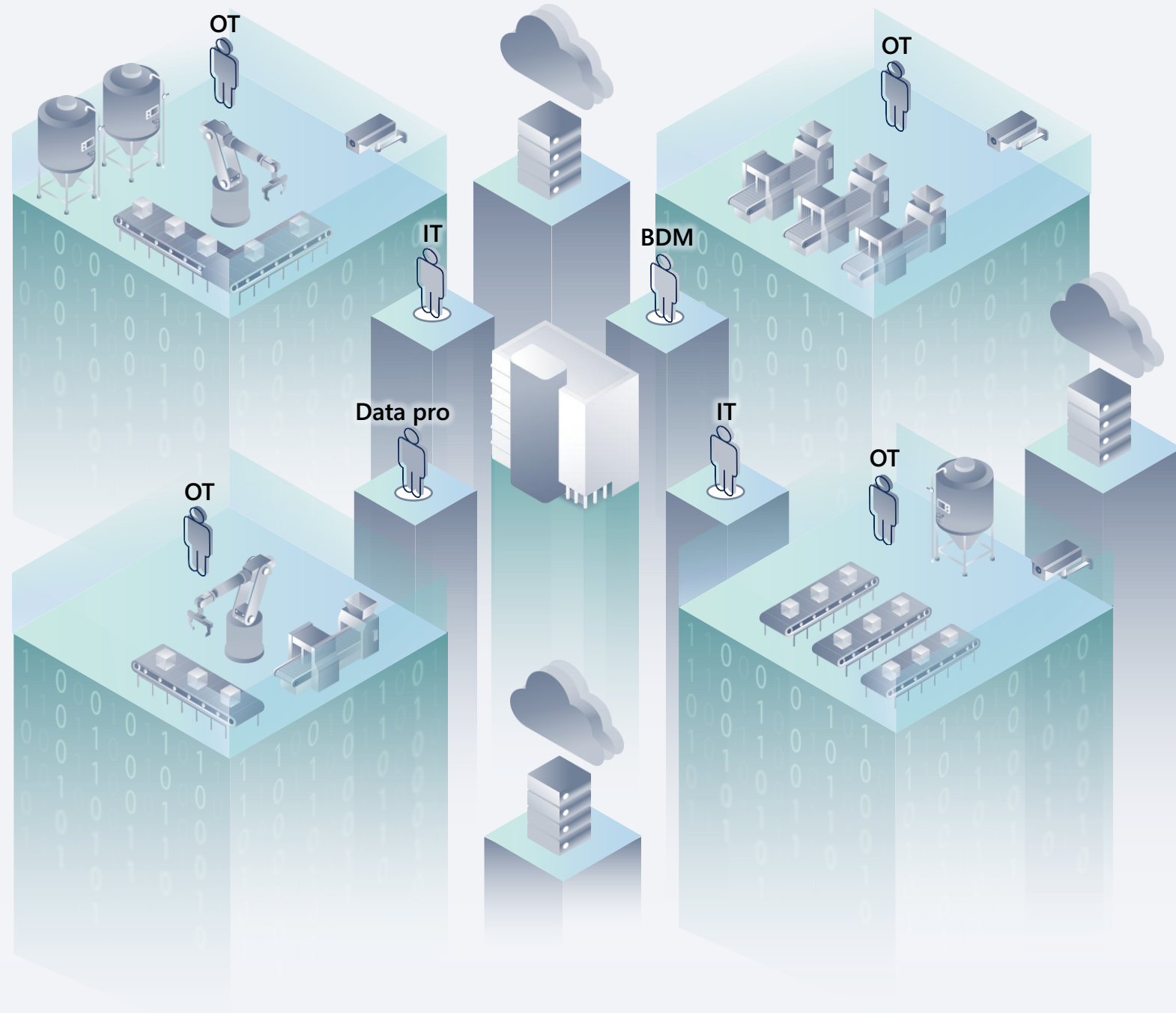
Husqvarna – challenges – digital transformation



AI with data silos is impractical

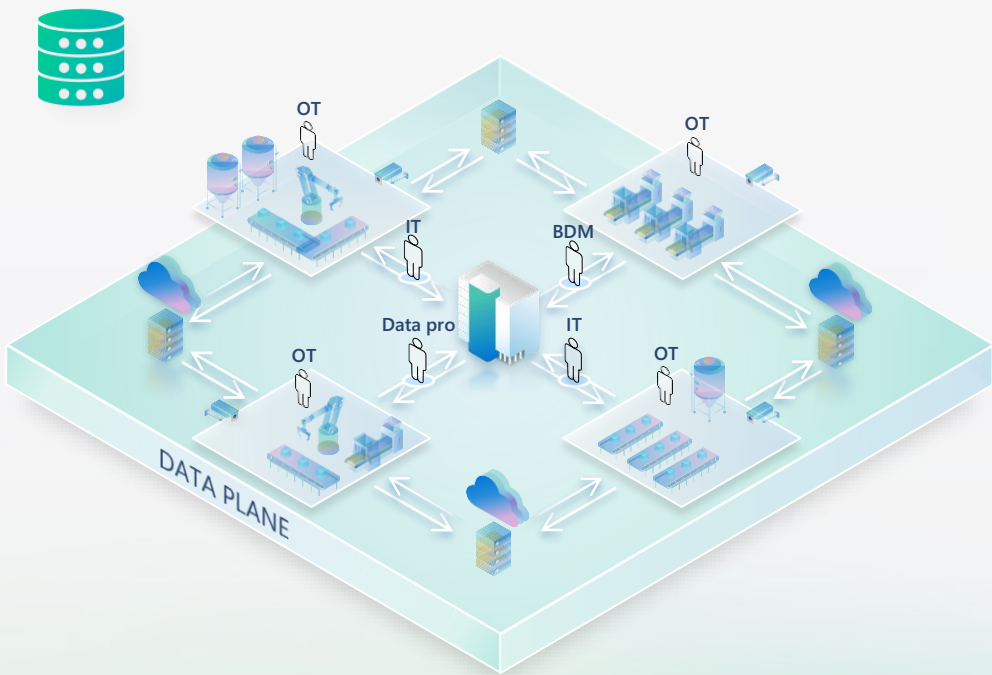
Data is stuck in silos and hard to make semantically ready from the sources for AI.

Managing infrastructure policy, security, health and edge + cloud compatibility across silo systems is unfeasible.



Solving with Azure's adaptive cloud approach

Shared data plane



Enterprise-wide data accessibility

Common

A blue icon showing a stack of server racks with a cloud and a network diagram, representing open standards and frameworks.

Established on open standards and frameworks

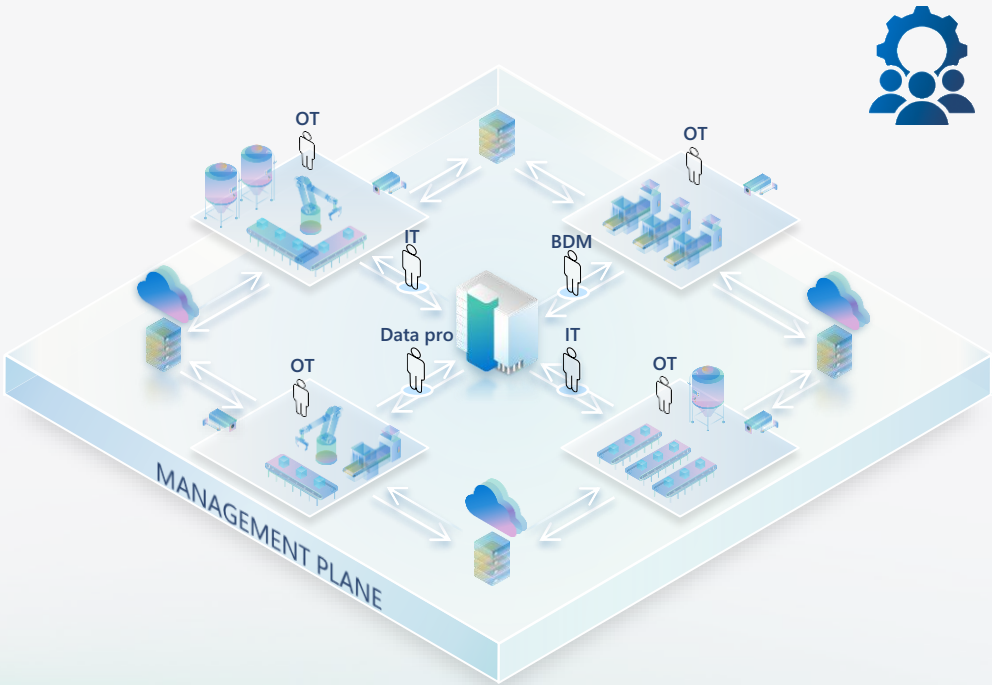
A blue icon showing a stack of server racks, representing cross company identities and authorizations.

Cross company identities and authorizations

A blue icon showing a bar chart with an upward arrow, representing unified cloud and edge platforms.

Unified cloud and edge platforms

Shared management plane



AI-enhanced central management with security and health monitoring

Discovery Workshop to Find Cases

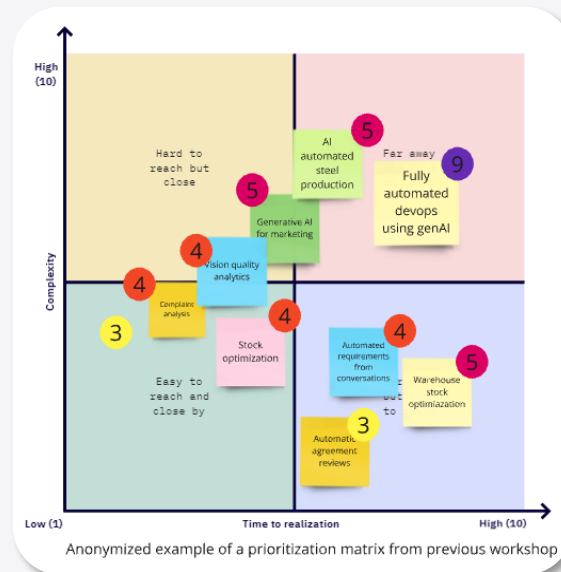
A simple cross functional format that can be repeated as a method to continuously identify cases with value and suitable ROI and complexity.

How we do it...

- Select domain and area/topic and describe what is important to you and your business; current goals, KPIs and bottom-line impact you are looking for.
- Sogeti brings 2-4 persons with experience from technology, architecture, business and way of working. We prepare inspiration and examples based on your input.
- You bring representatives from technology, business and customer knowledge so we have full cross-functional joint representation in the room.
- Sogeti runs a workshop with you to discover and validate case(s) that are feasible candidates with a promising ROI. From your goals via inspiration to hands-on workshop to identify cases.

Text	Bedömning för värdet	Värde	Komplexitet	Tid till realisering	Värdet för realisering	Realiserbarhet (enkelhet)	Realiserbarhet (komplexitet)	Realiserbarhet (tid)	Realiserbarhet (kostnad)	Realiserbarhet (risk)	Realiserbarhet (övertalning)	Realiserbarhet (övertalning)
1. Fanns det ett mål?	Bedömning för värdet	6	2	2	2	2	2	2	2	2	2	2
2. Stämde mål för ärendet?	Bedömning för värdet	7	3	3	3	3	3	3	3	3	3	3
3. Stämde mål för ärendet?	Bedömning för värdet	7	4	3	0	0	0	0	0	0	0	0
4. Stämde mål för ärendet?	Bedömning för värdet	7	4	3	0	0	0	0	0	0	0	0
5. Stämde mål för ärendet?	Bedömning för värdet	7	4	3	0	0	0	0	0	0	0	0
6. Stämde mål för ärendet?	Bedömning för värdet	7	5	4	-1	-1	-1	-1	-1	-1	-1	-1
7. Stämde mål för ärendet?	Bedömning för värdet	9	6	5	-2	-2	-2	-2	-2	-2	-2	-2
8. Stämde mål för ärendet?	Bedömning för värdet	8	5	6	-3	-3	-3	-3	-3	-3	-3	-3
9. Stämde mål för ärendet?	Bedömning för värdet											
10. Stämde mål för ärendet?	Bedömning för värdet	9	7	6	-4	-4	-4	-4	-4	-4	-4	-4
11. Stämde mål för ärendet?	Bedömning för värdet	9	8	8	-1	-1	-1	-1	-1	-1	-1	-1
12. Stämde mål för ärendet?	Bedömning för värdet	7	6	8	-3	-3	-3	-3	-3	-3	-3	-3

Examples of workshop outputs



The Brake Factory!

Machine Information

- *Assembly of clutch cover with brake*
- *Three cells, with multiple complex operations in each cell*

Industrial Internet of Things

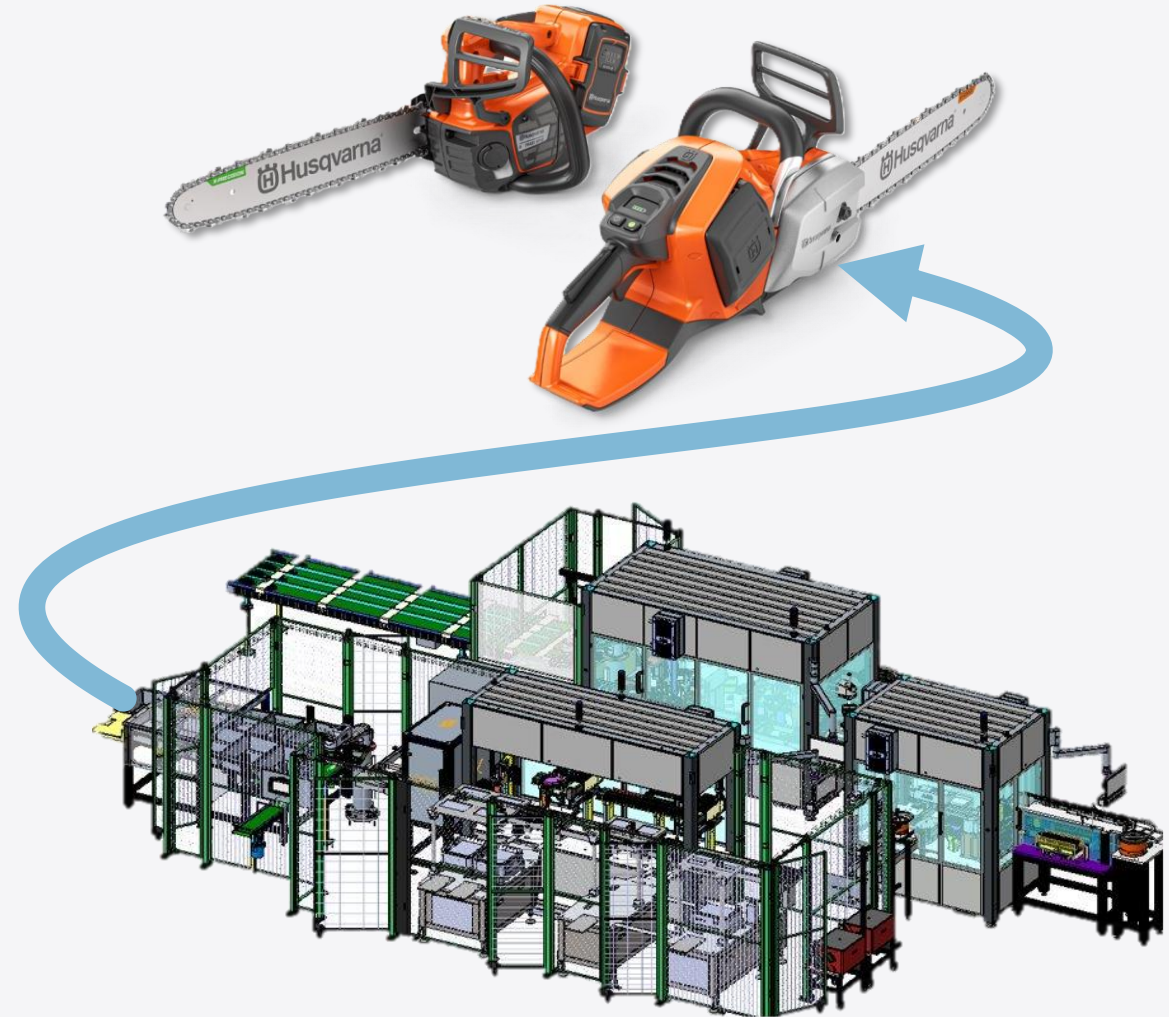
Problem 1

During operation there are a lot of smaller errors that occur, due to multiple variants with different errors, identifying impactful remedies is difficult.

Generative AI

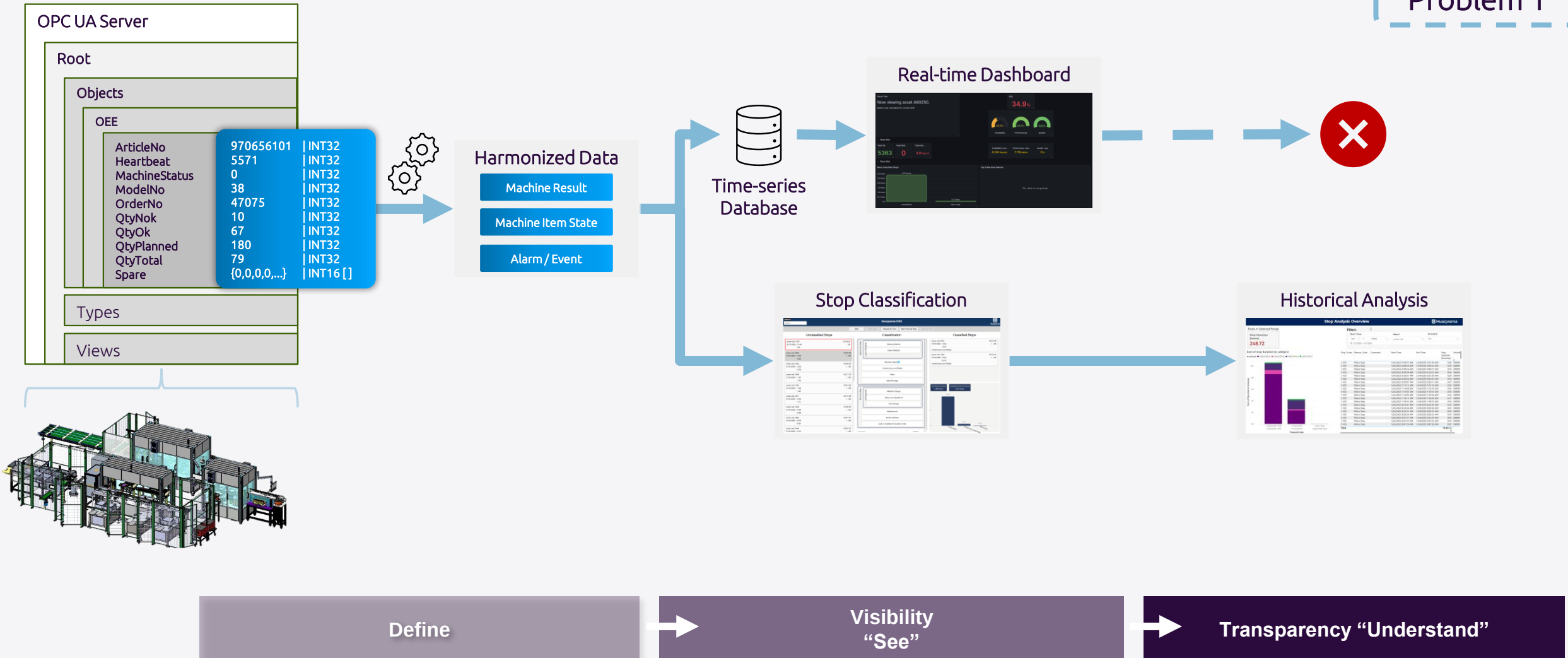
Problem 2

The machine is complex, and there are a lot of things one need to know to operate the machine efficiently, the knowledge of our operational personal varies.



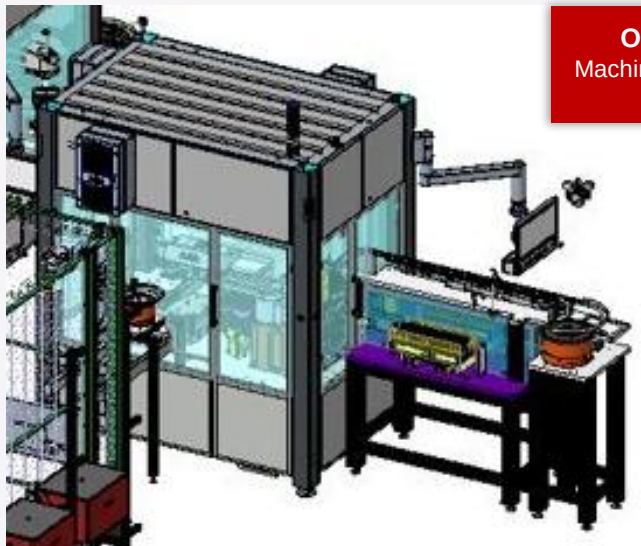
The value of retrieving the machine data is returned only when successfully processing it continuously

Problem 1



Troubleshooting our machinery is complex due to multiple different causes from multiple domains.

Problem 2



Ongoing Stop
Machine will not continue
its operation



Mechanical

Have something been bent? Do everything align?

Network

Is there some greater network outage? Is there any newly imposed firewall blockings?

IT Applications

Is the service we are communicating with up? Are there any DB locks?

Electrical

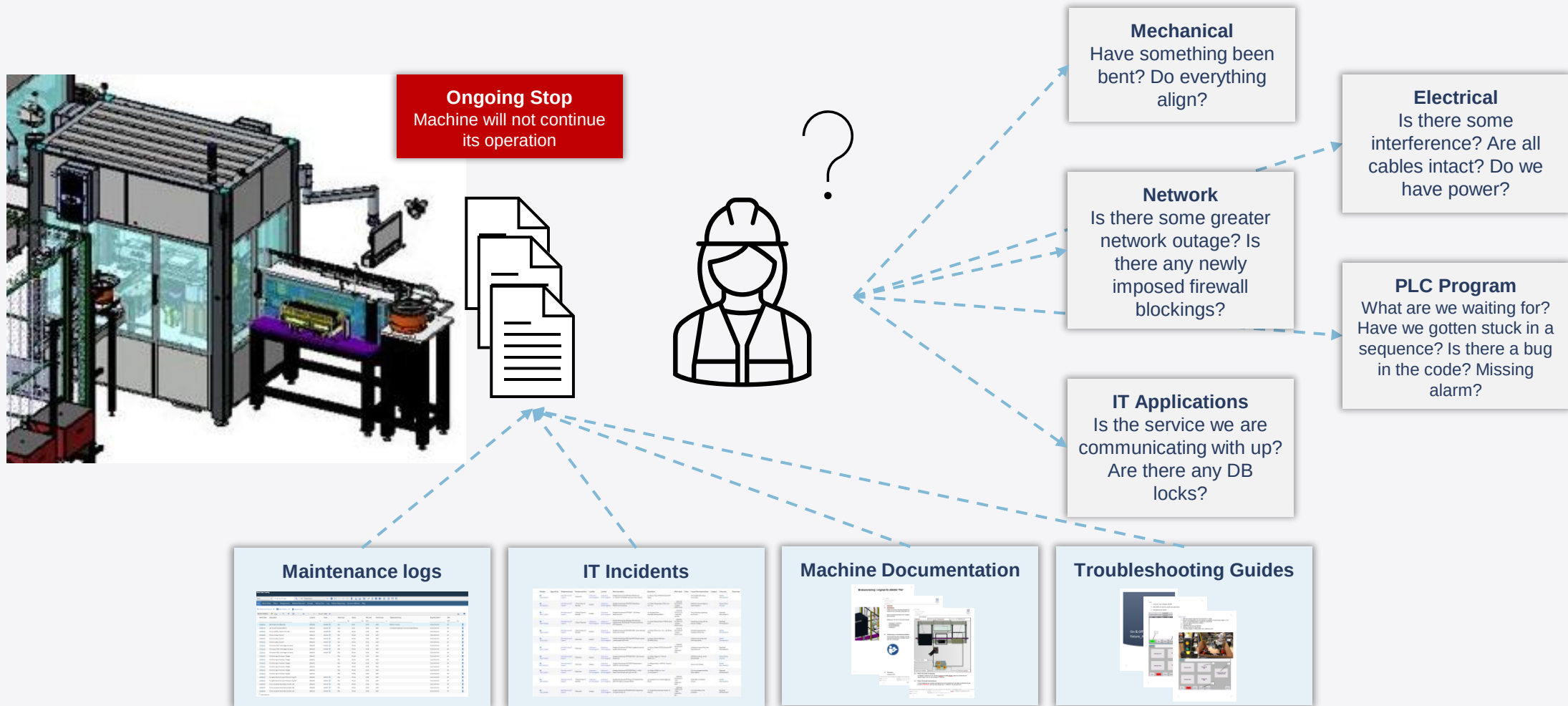
Is there some interference? Are all cables intact? Do we have power?

PLC Program

What are we waiting for? Have we gotten stuck in a sequence? Is there a bug in the code? Missing alarm?

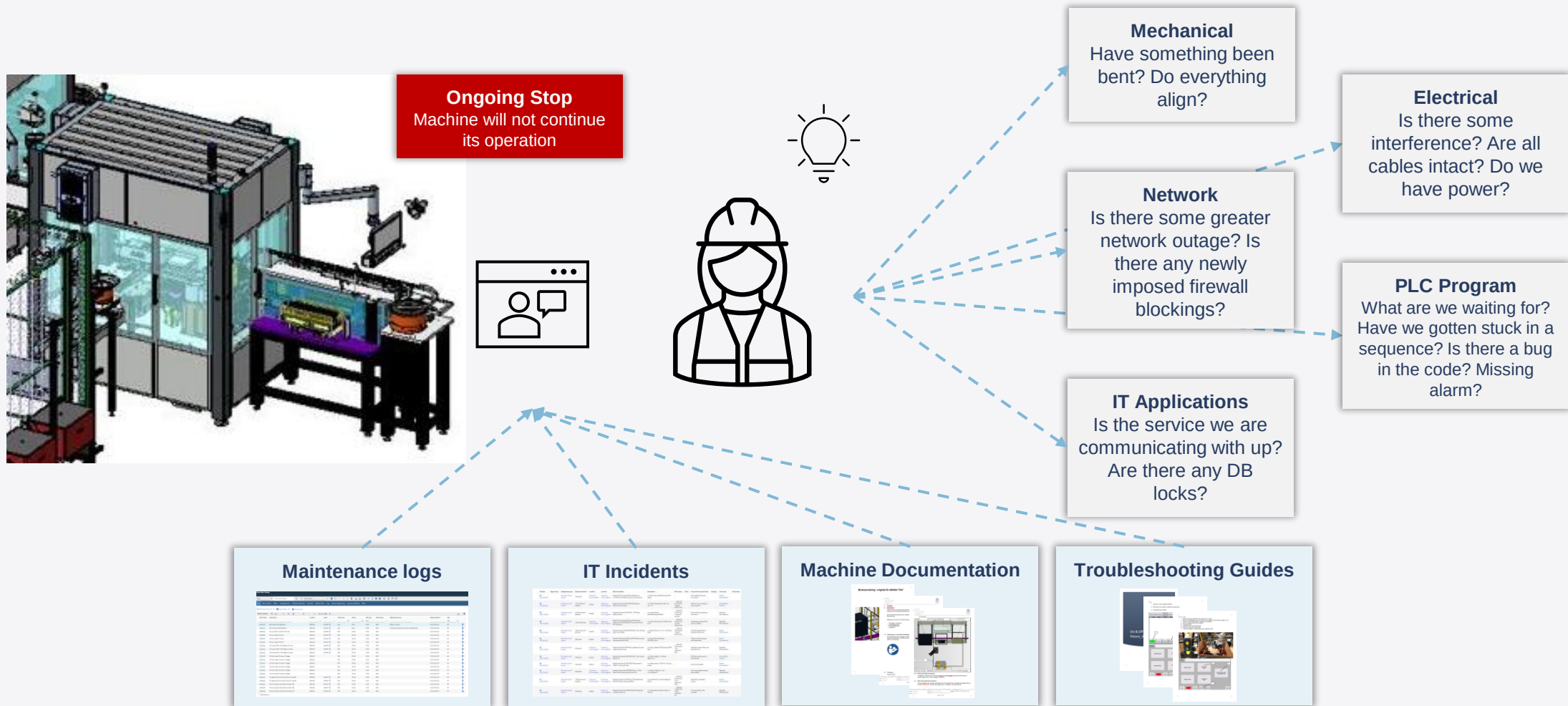
Our documentation is spread out in multiple places, you need to know where to look!

Problem 2



Through leveraging Generative AI on our data, we provide one single interface to all data.

Problem 2



Chat

Ask questions about the factory and explore related documents.

Ask me anything...

Ask

Each use case adds value, building the foundation for our global scalable platform

Problem 1

During operation there are a lot of smaller errors that occur, due to multiple variants with different errors, identifying impactful remedies is difficult.



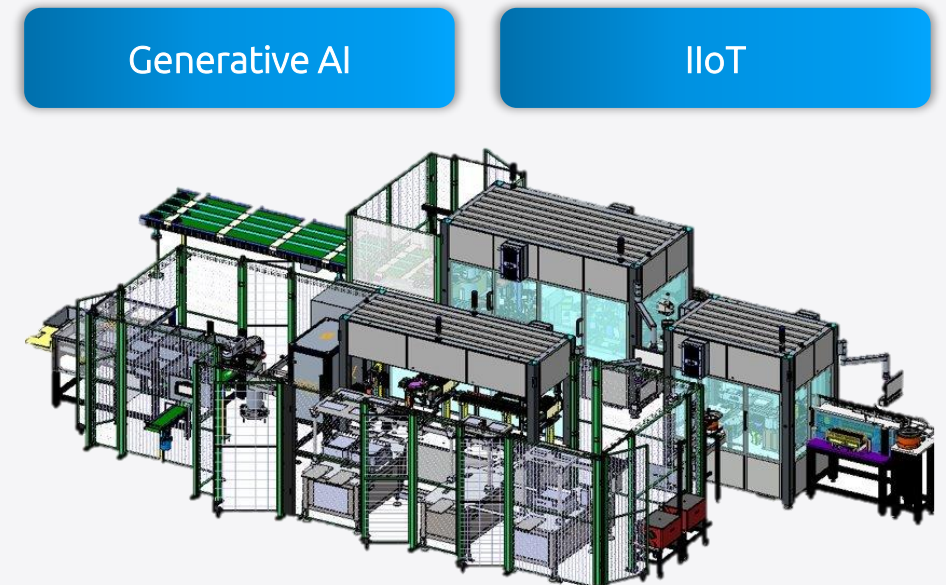
OEE follow up & stop classification – Increased output through better prioritization of remedies

Problem 2

Other machine errors are uncommon which means our operational personal are unexperienced when it comes to troubleshooting.



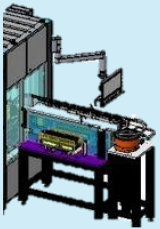
Factory Companion – 10% reduced time to resolution



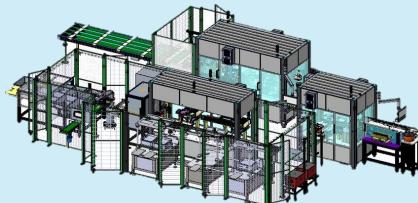
Even though each use case bears itself, the true value is returned when we scale out.

Data Value Realization

Machine
Component



Machine



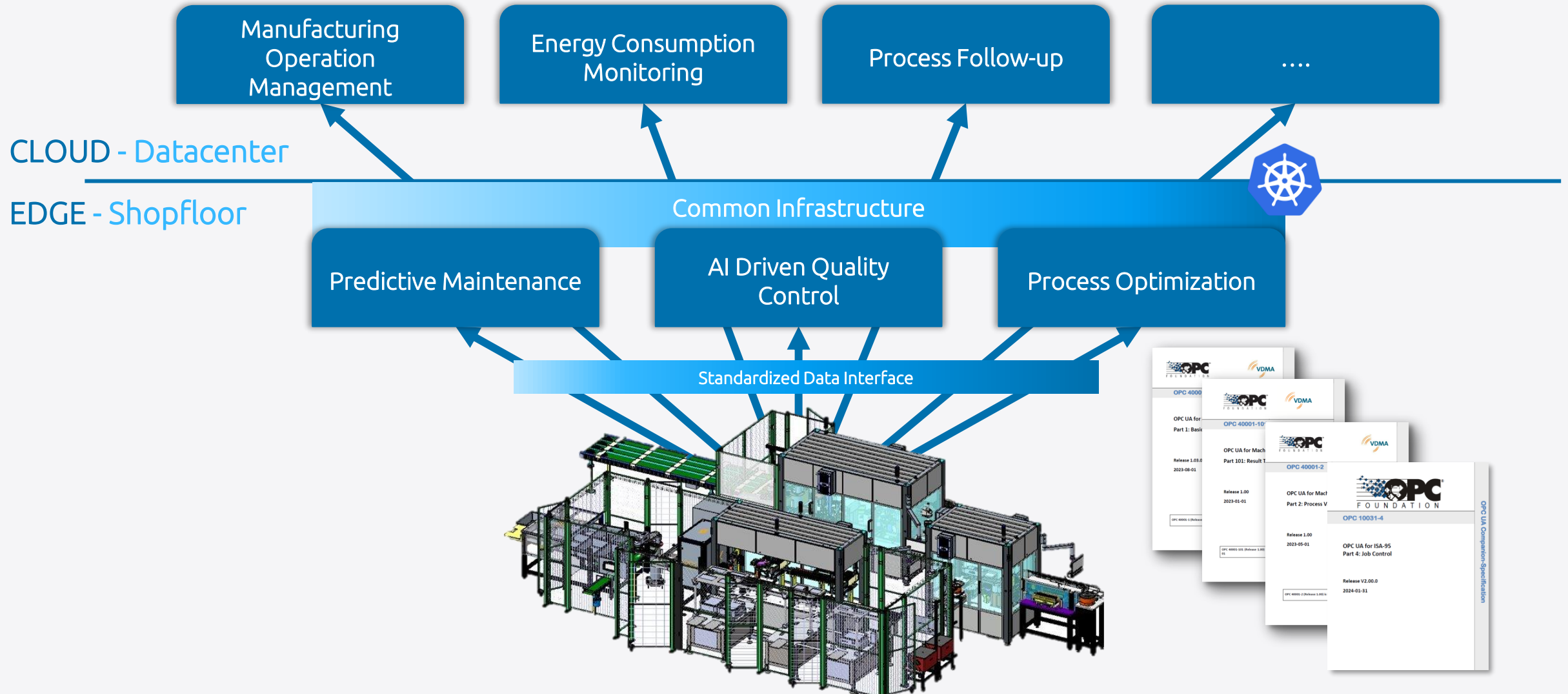
Plant



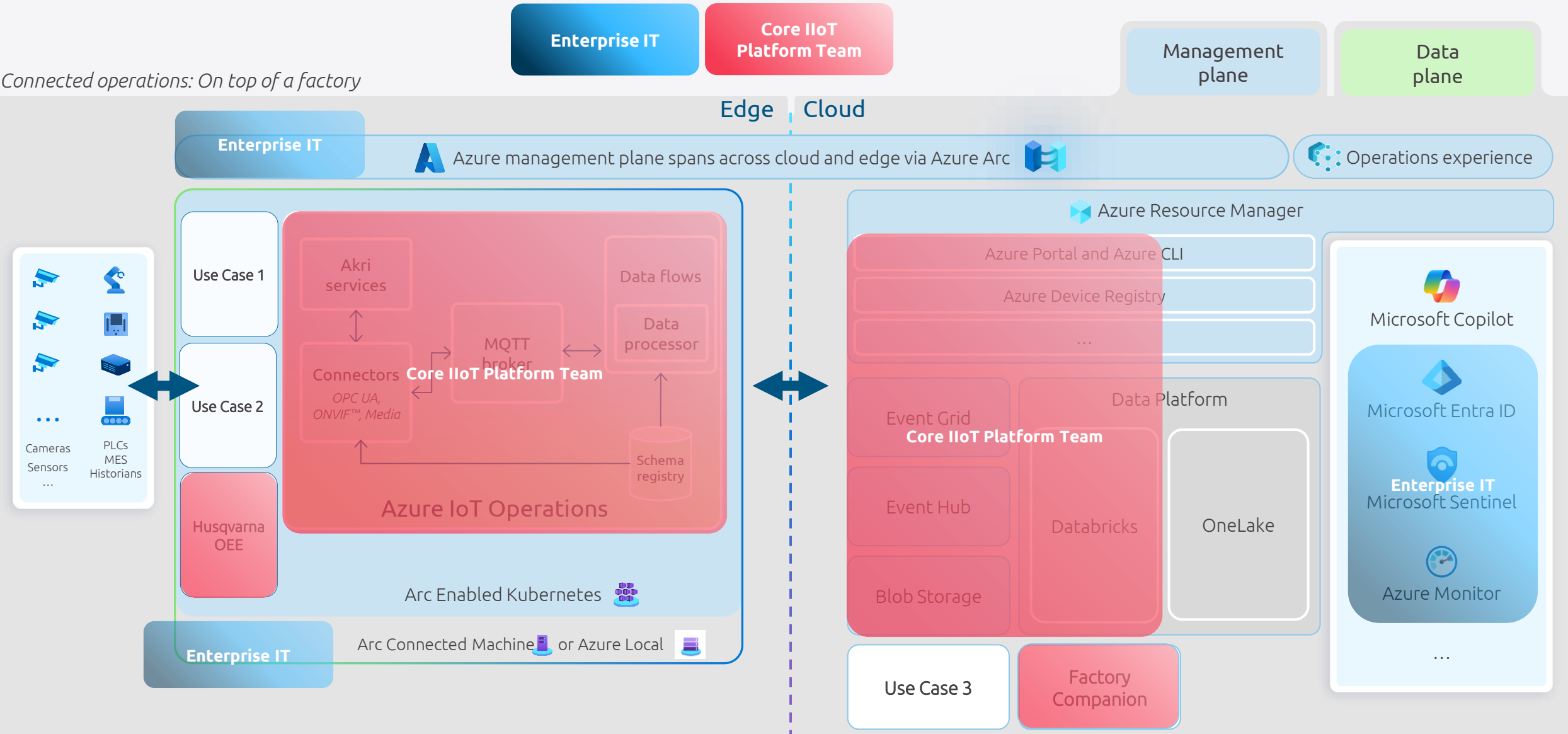
Company



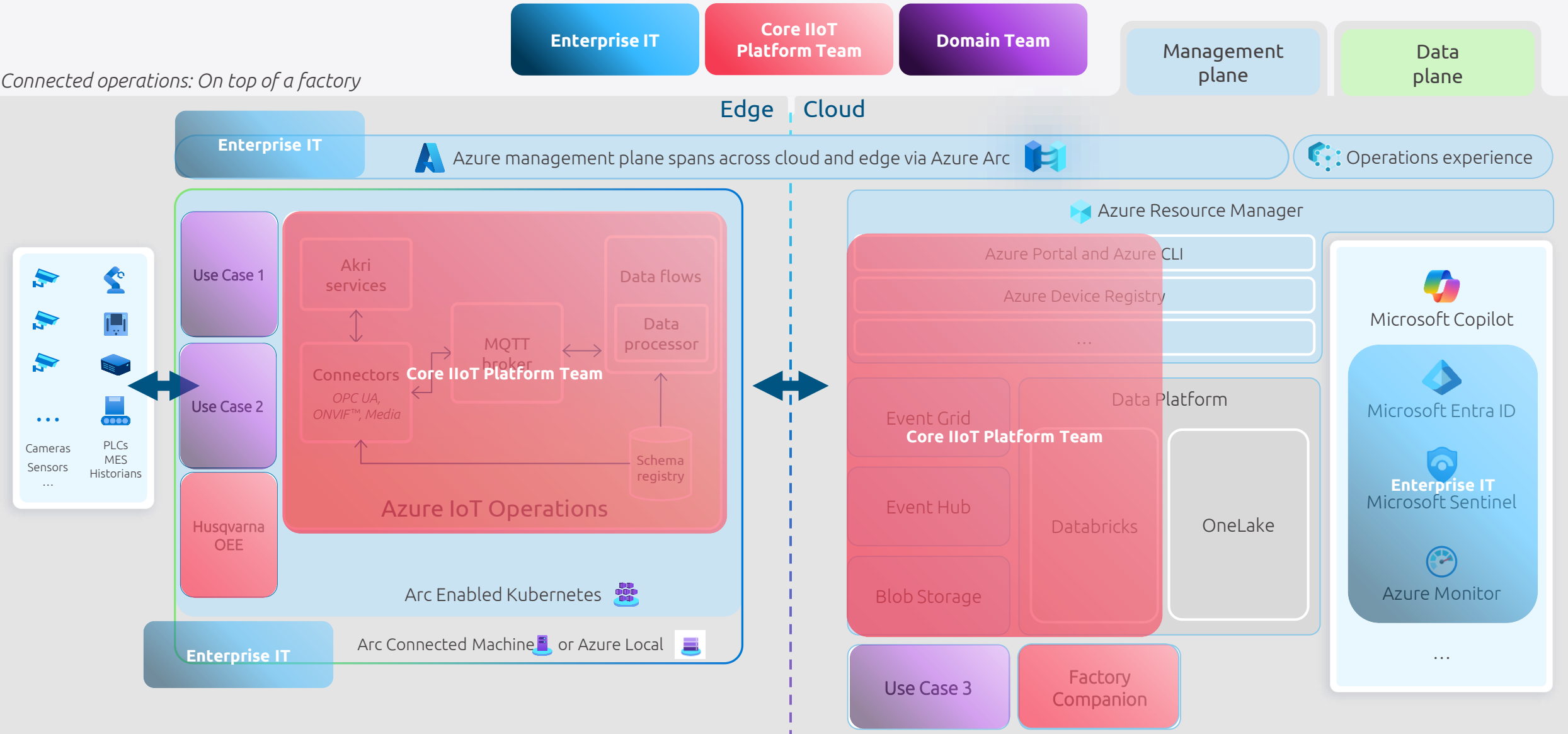
1. Ensure your data is produced in a non application specific way.
2. Ensure you can productionize and support your innovations.



3. Ensure you create room for innovation and utilization of all your teams' strengths.



3. Ensure you create room for innovation and utilization of all your teams' strengths.



Accelerate your AI journey!

Come Talk to Us in our Booth!



Win a Hackaton!

Are you game?

sogeti
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