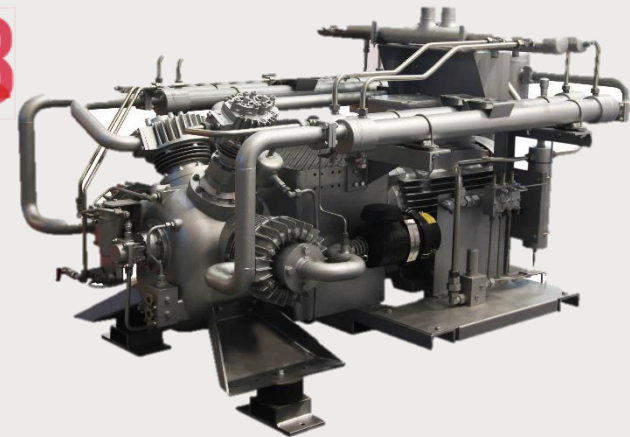
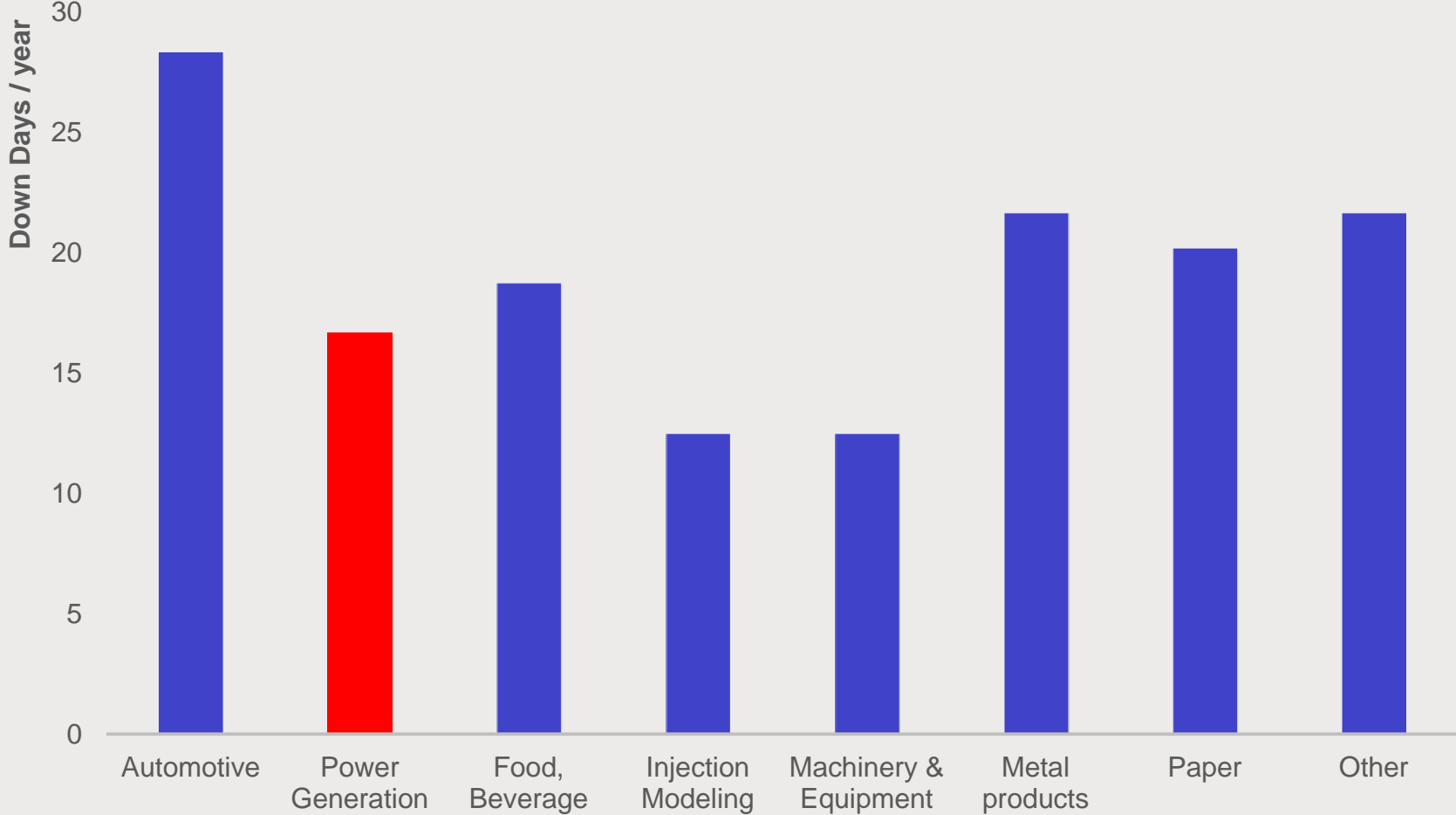


A photograph of an industrial factory floor. In the foreground, a worker in a blue uniform and white hard hat stands near a large piece of machinery with a prominent electric motor. The background is filled with complex industrial equipment, including large stainless steel tanks, pipes, and control panels. Another worker is visible in the distance, slightly blurred. The overall scene is brightly lit, likely from overhead industrial lights.

PREsenso.

According to McKinsey, the average annual downtime per each single machine is **17 days!**

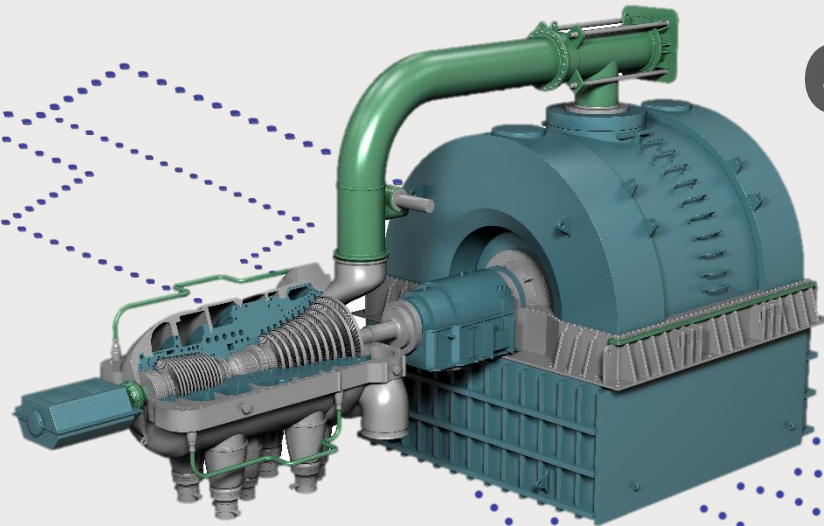






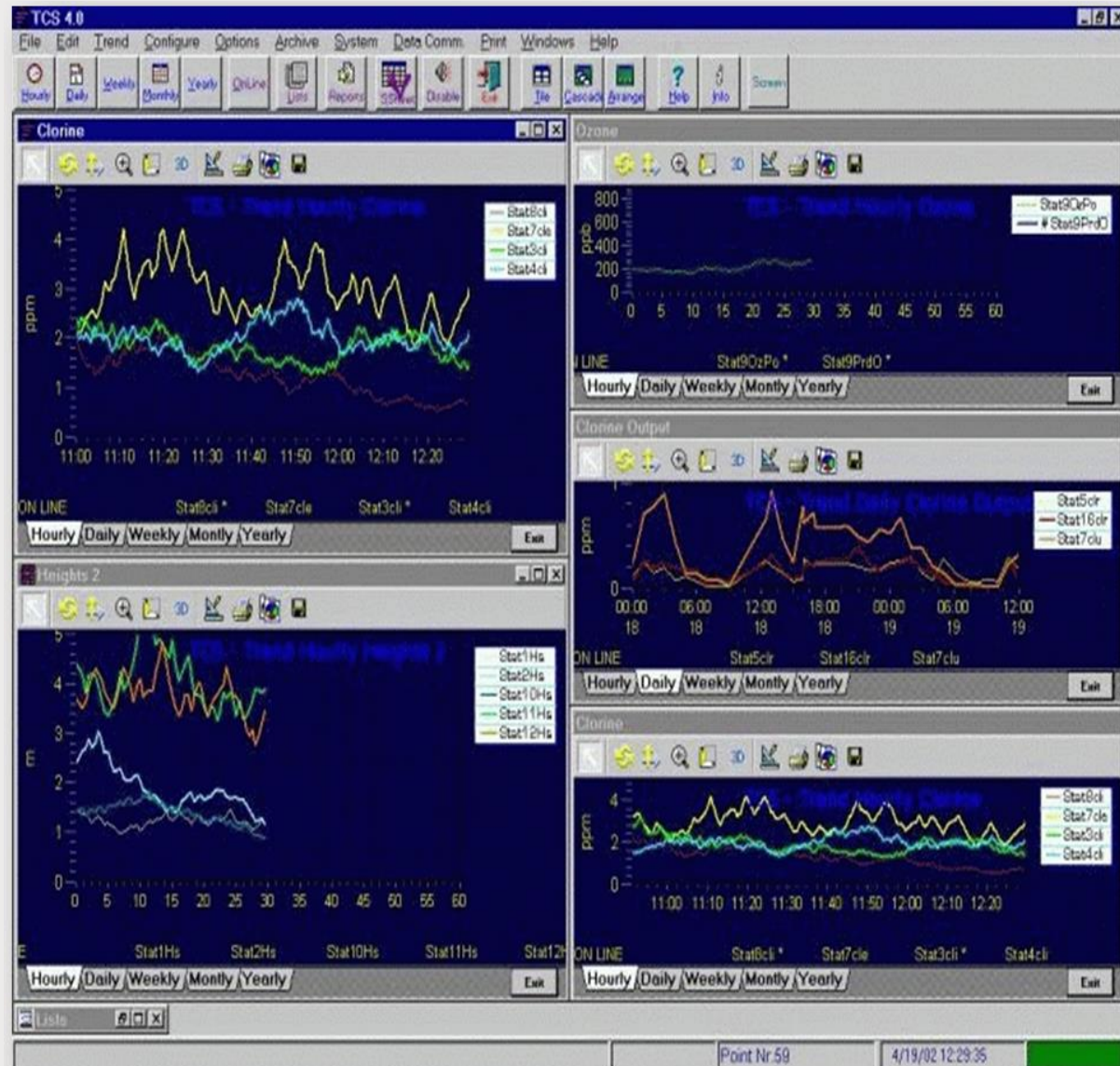
8 TB
a month from
entire fleet

Customer turbine
generates 20 GB
a month

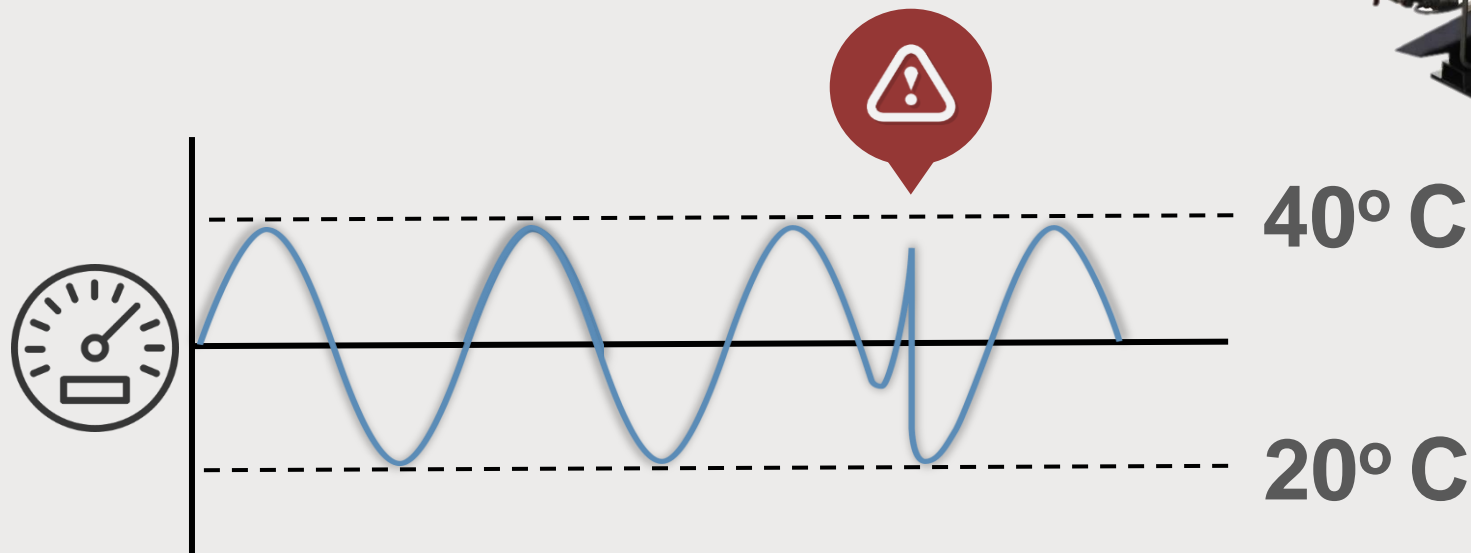
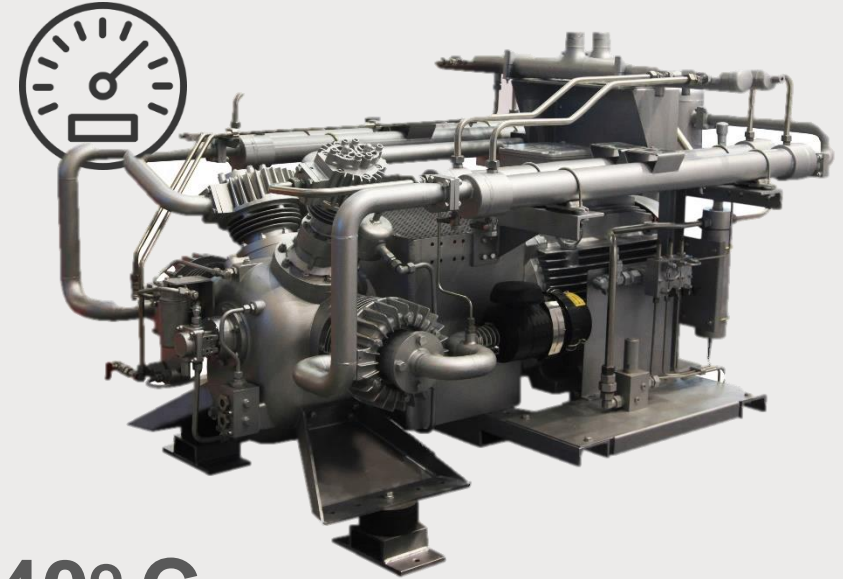


Current industrial monitoring systems are OLD

No available system today that can handle such amounts of data, in real time.



In addition, all alerts are manually defined in a rule based alarm and trip system

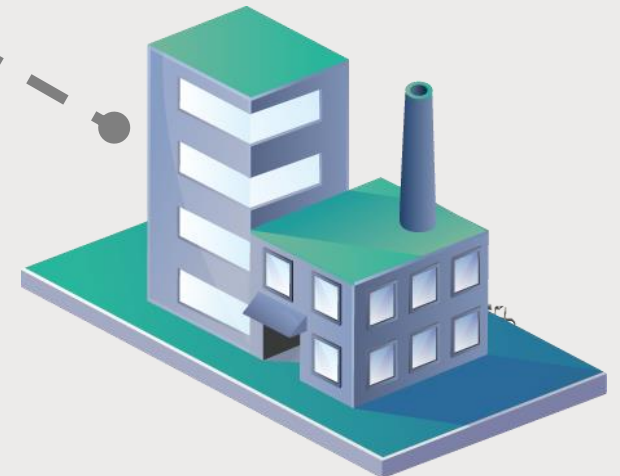
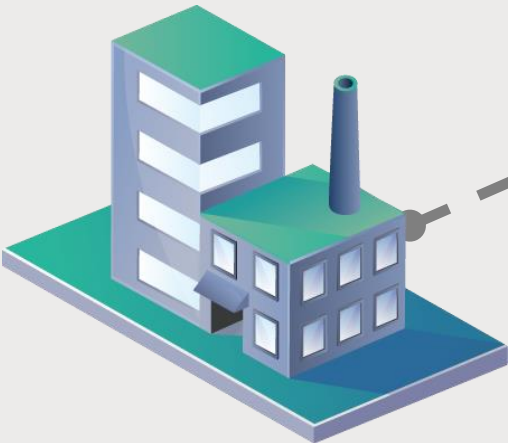
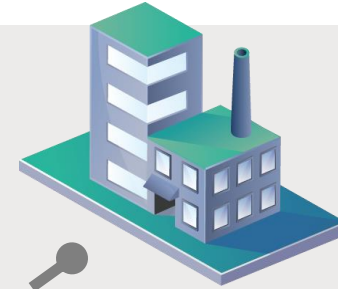
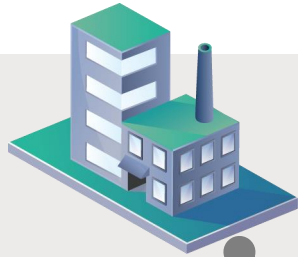


Leaving many abnormal events
undetected

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We stream every piece of data generated by the machine up to our cloud, in real time

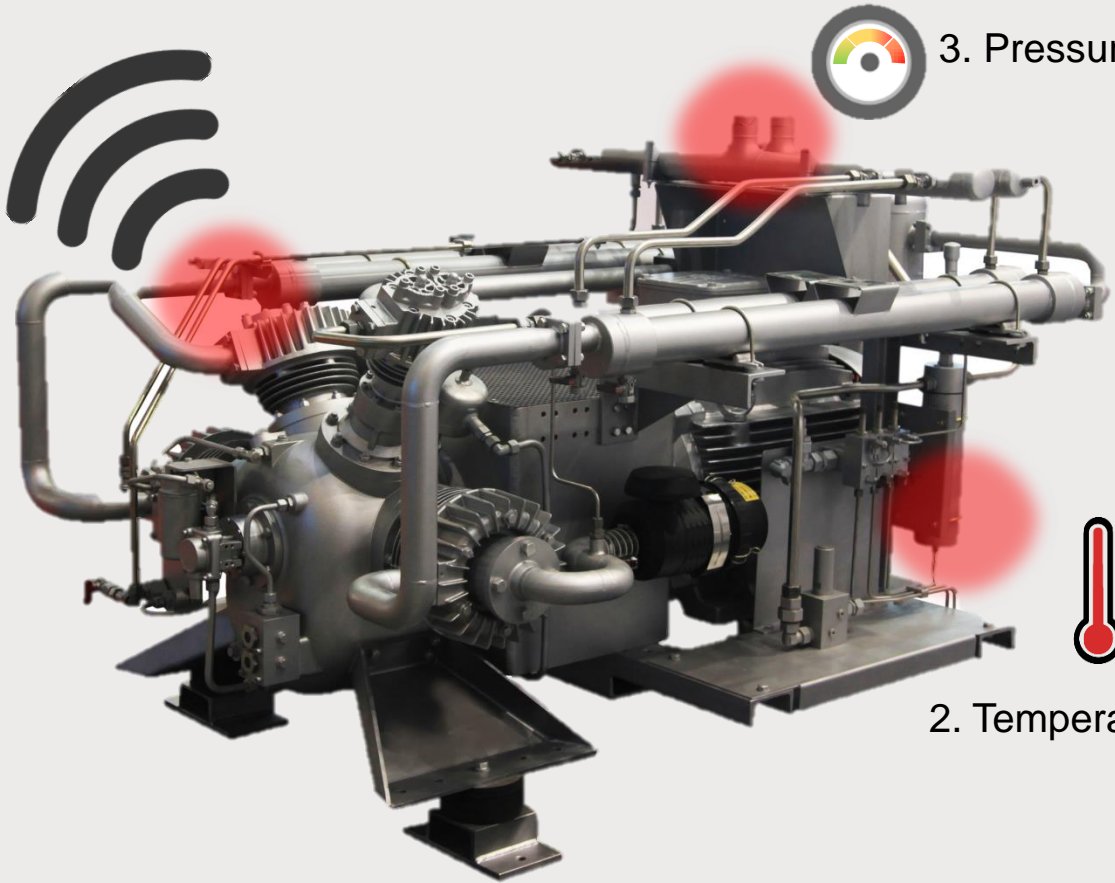
Once data is in the cloud, We “learn” how each machine behaves – “Machine Modeling”



1. Vibration



3. Pressure rises



2. Temperature rises

In order to predict failures, Presenso automatically builds a bank of Failure Signatures by unsupervised detection of:

1. Anomalies in signals - symptoms
2. Correlation between them

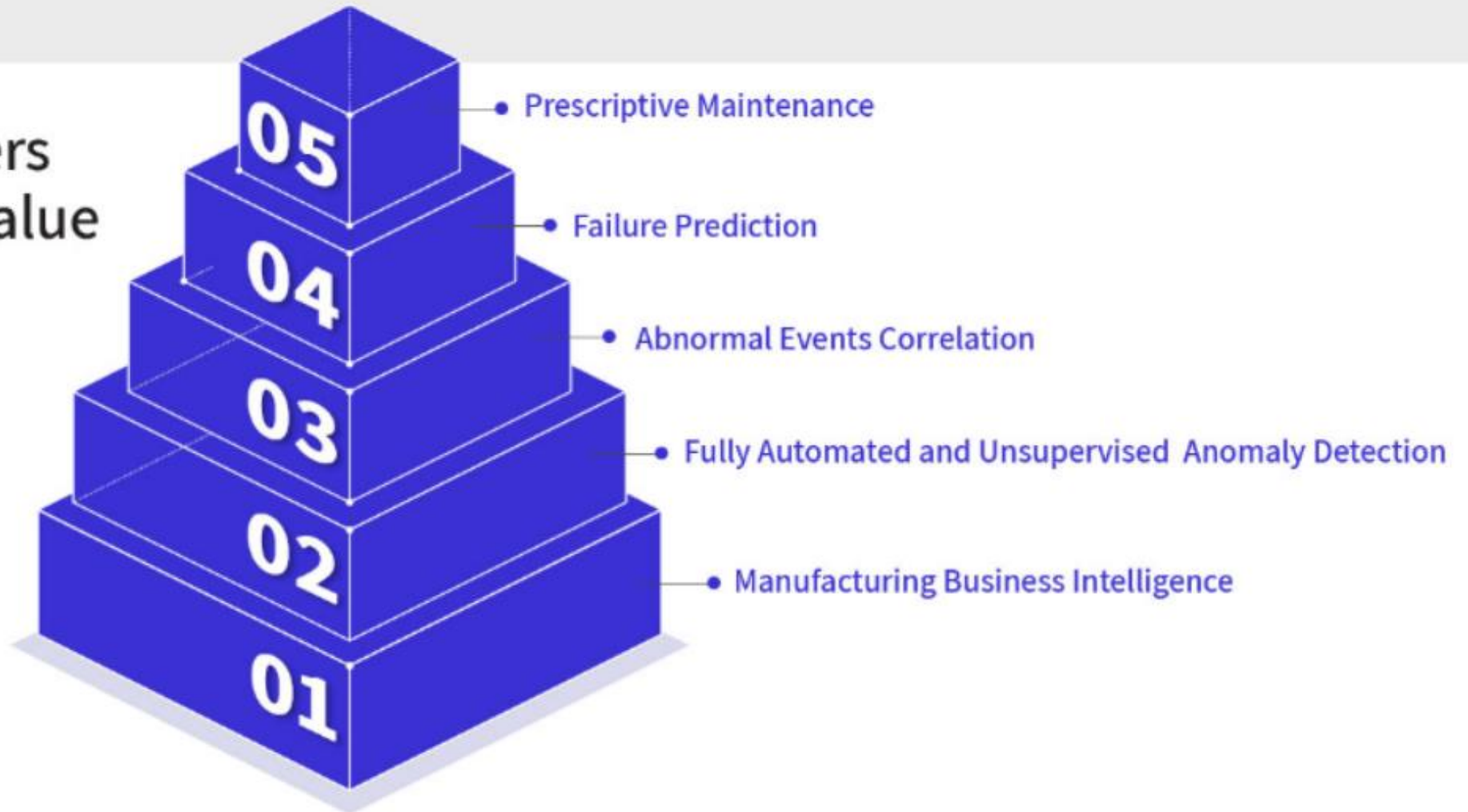
FAILURE

PREsenso.



Learned Failure Signatures from every single machine are then shared and used to predict failures in the entire global fleet

5 layers
of value



In Conclusion:

1. https://www.youtube.com/watch?v=8A45_VO2IdE
2. Agnostic to sensor physical attribute and to machine type !
3. No additional HW, No human in the loop, no expert knowledge
4. Fast, remote deployment. No need to be on site
5. Fast learning time - fully operational short time after installation
6. Value beyond standard anomaly detection (correlation, prediction and prescription)
7. Modern big data technologies, including deep learning
8. Stay tuned...

PREsenso.



Thanks.

PREsenso.

www.presenso.com

info@presenso.com

