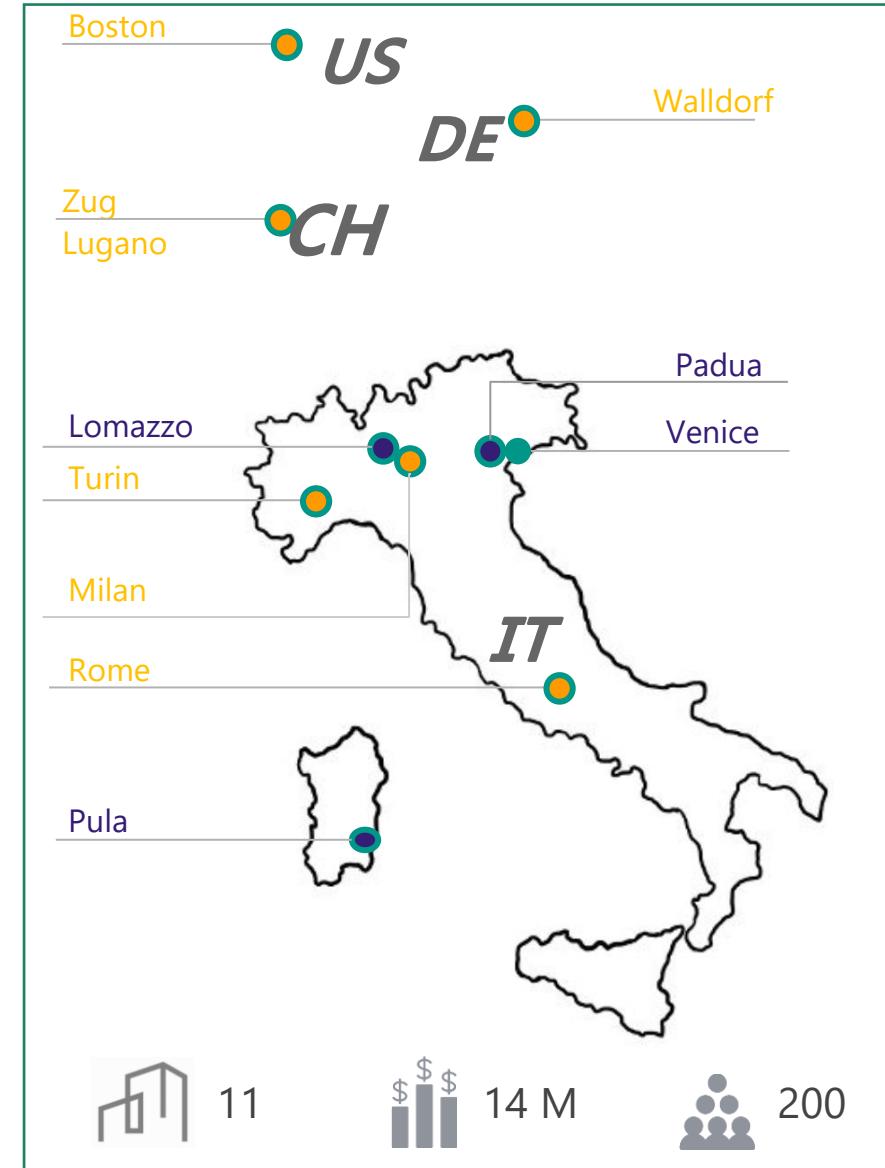
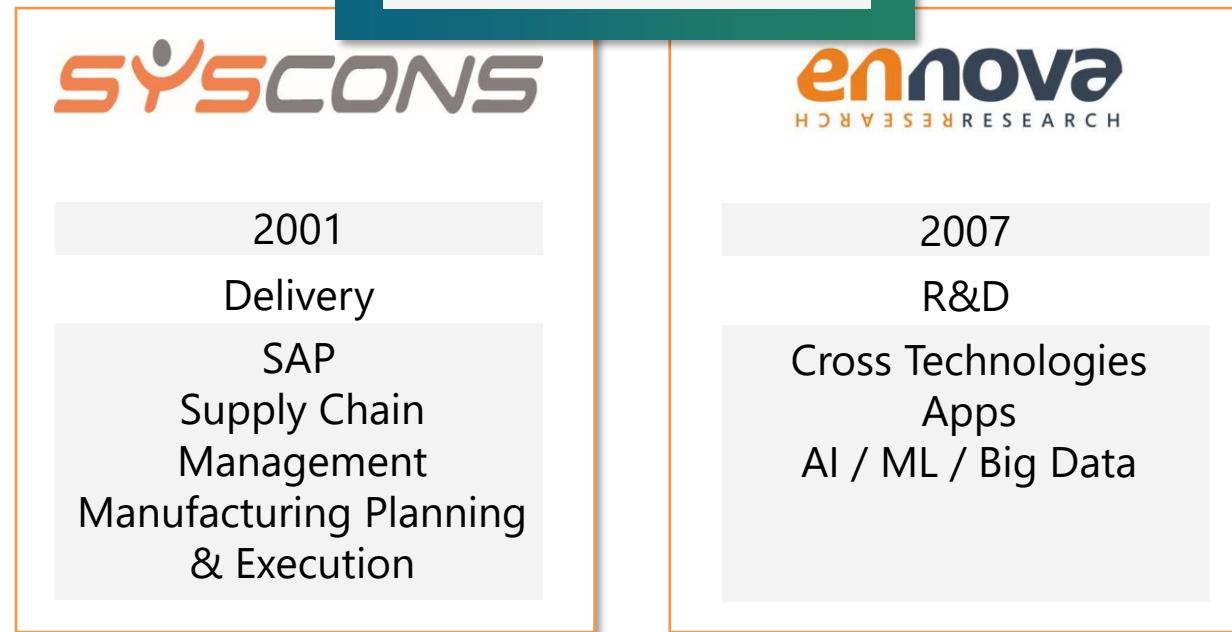


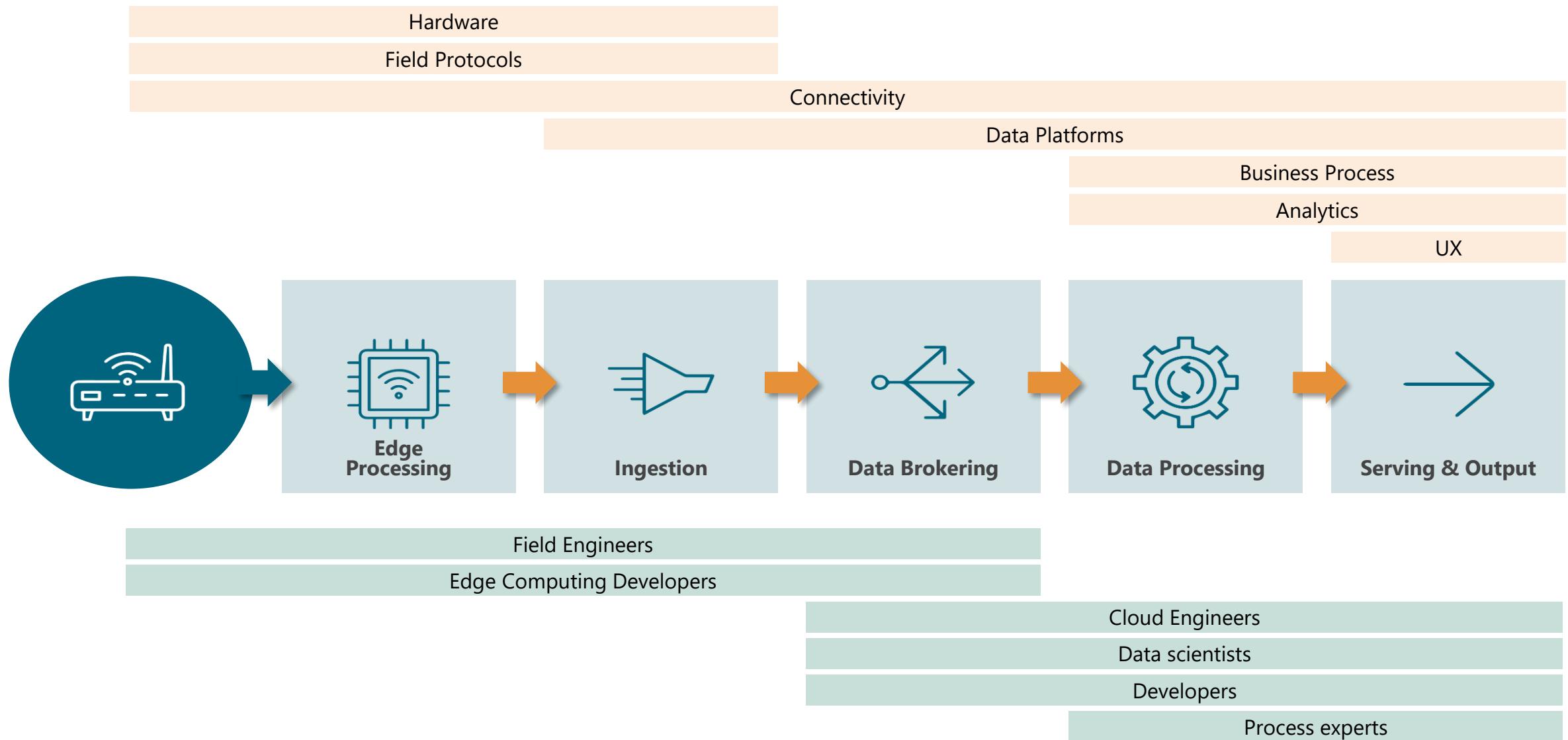


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Ennova Industries in a Nutshell



Knowledge & Competences



Importance of Monitoring



«If You Can't Measure It, You Can't Manage It»

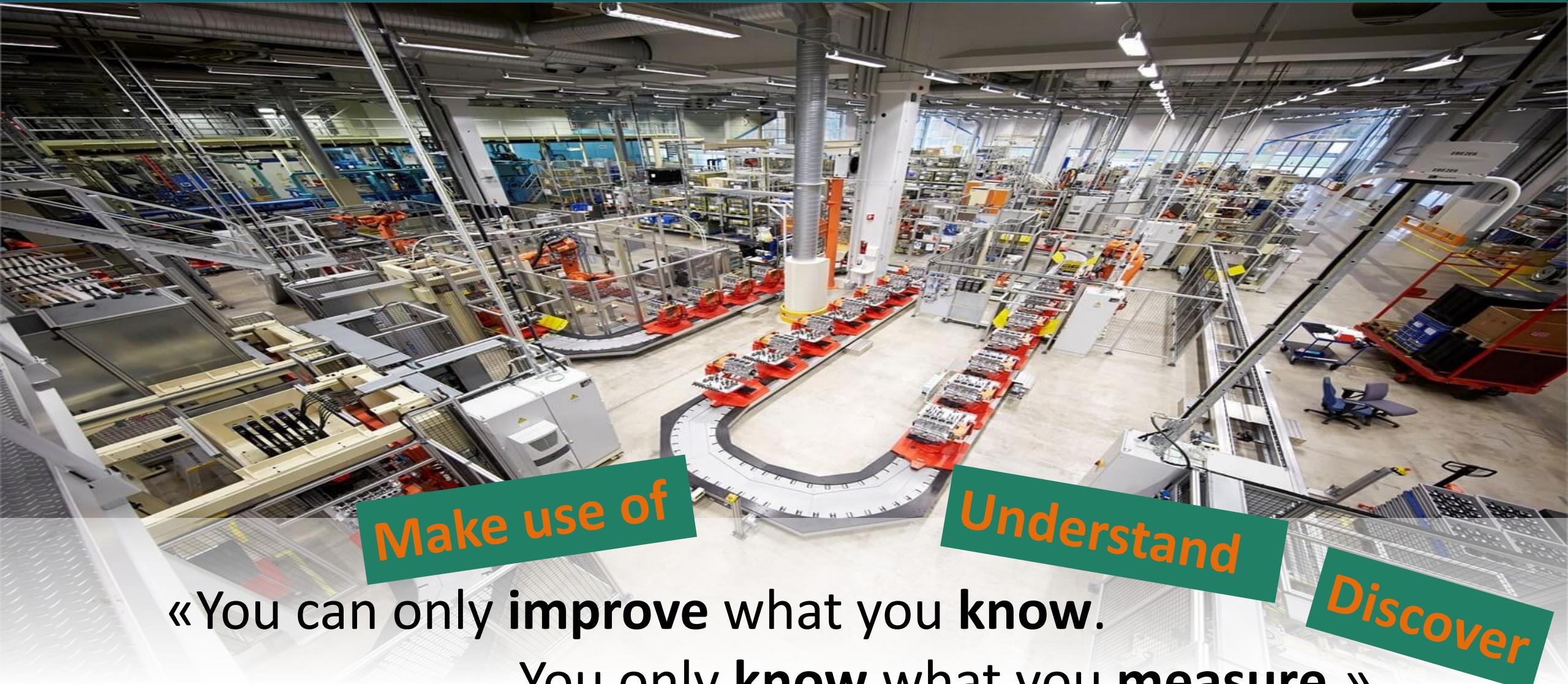
P. Drucker, or not?

Importance of Monitoring... In the big picture

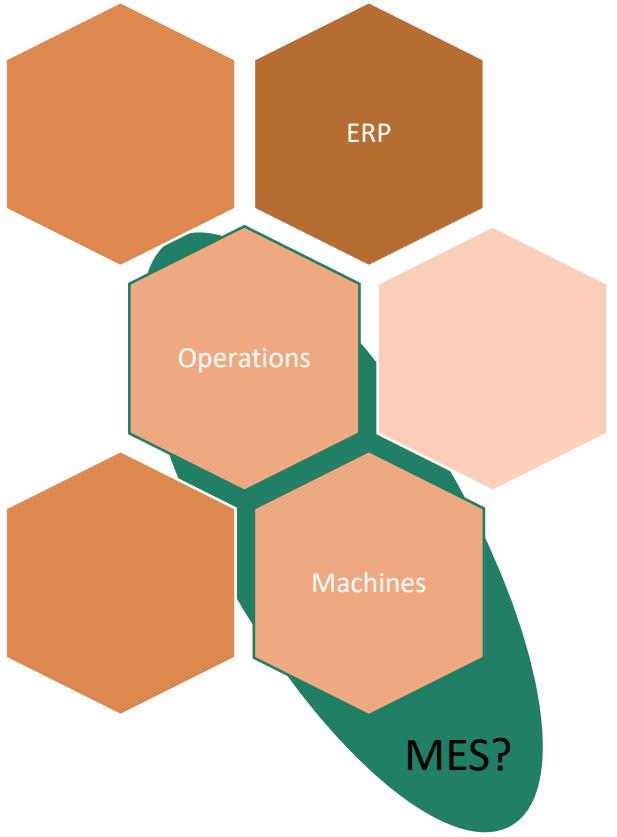


«You can only **improve** what you **know**.
You only **know** what you **measure**.»

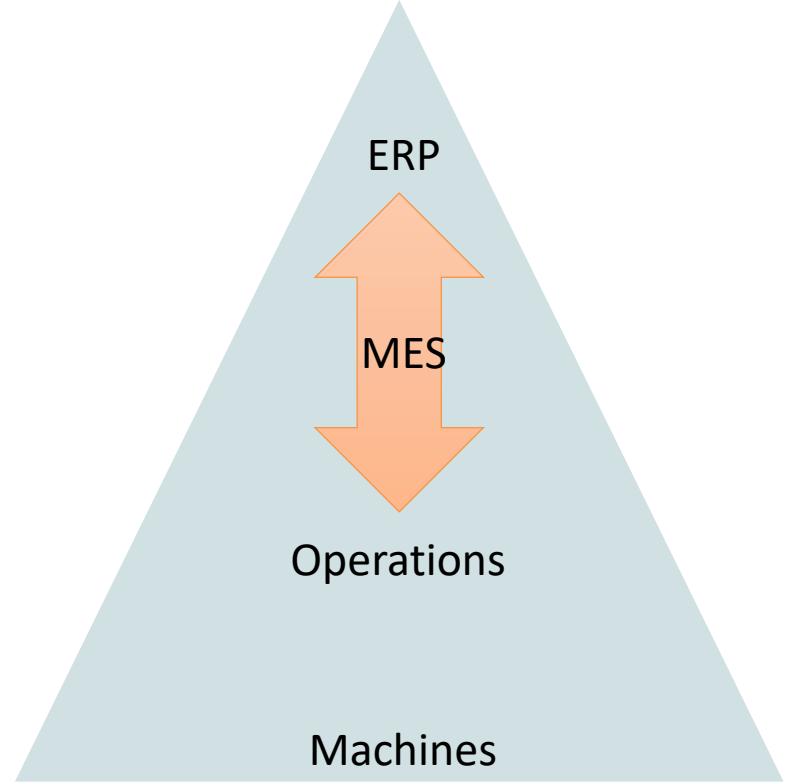
Importance of Monitoring... In the big picture



Manufacturing Execution Systems



vs



Simmel Difesa S.p.A.



 **SIMMEL
DIFESA**

1948

Defence

**80 MLN
1 plant
15 production lines**

Pain points & Approach

- **We do need a MES!**

Pain points & Approach

- **We do need a MES!**

...and...

- Business feels to be blind on Production
- Production data reliable but comes late
- Lot of effort into communications

Pain points & Approach

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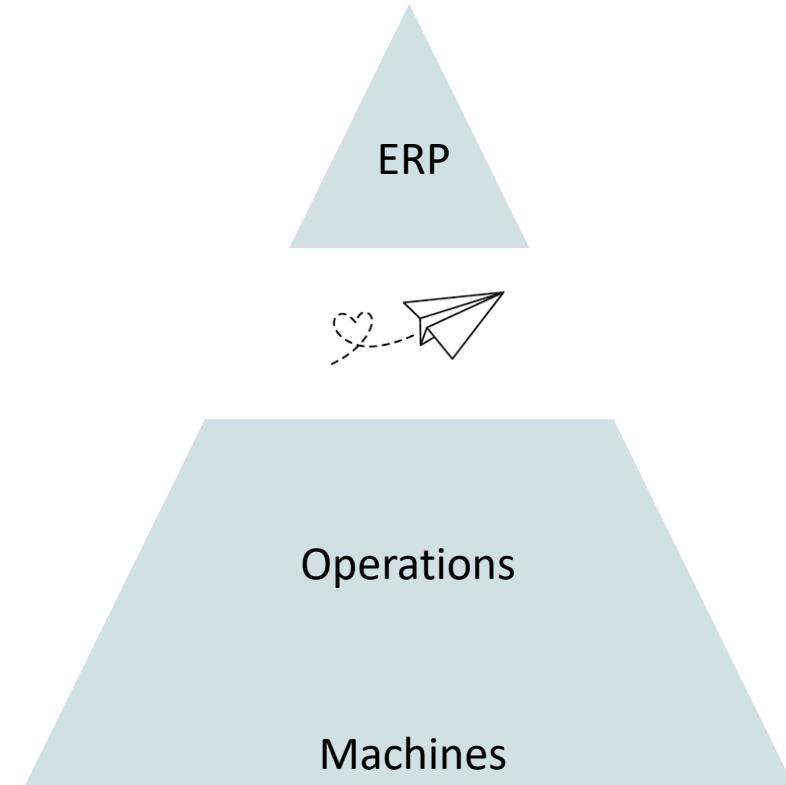
Workshops
Interviews
Discovery

Approach definition
Prioritization

Solution Design
Implementation

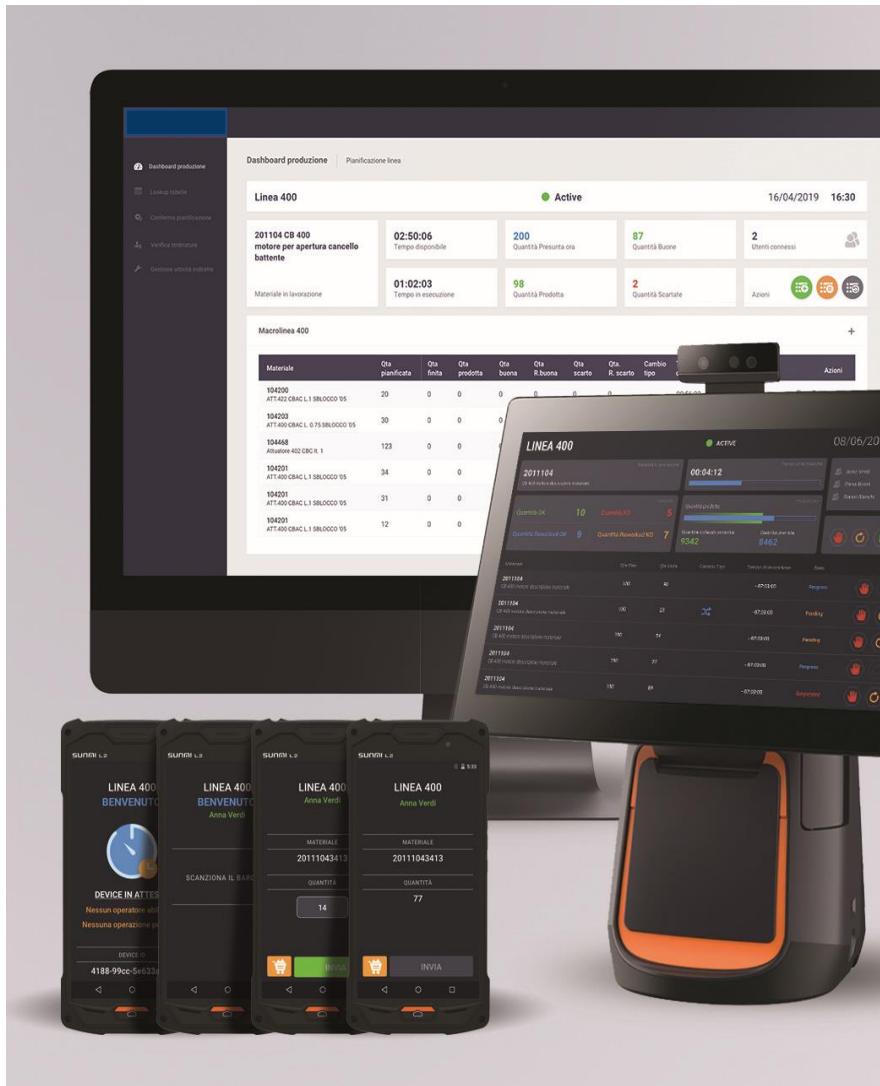
Assessment outcomes (among others)

- Production Order (literally) handed over to Operations
- ERP production model detached from Production model
- Pieces/Hours declaration only at the end of production period
- ...

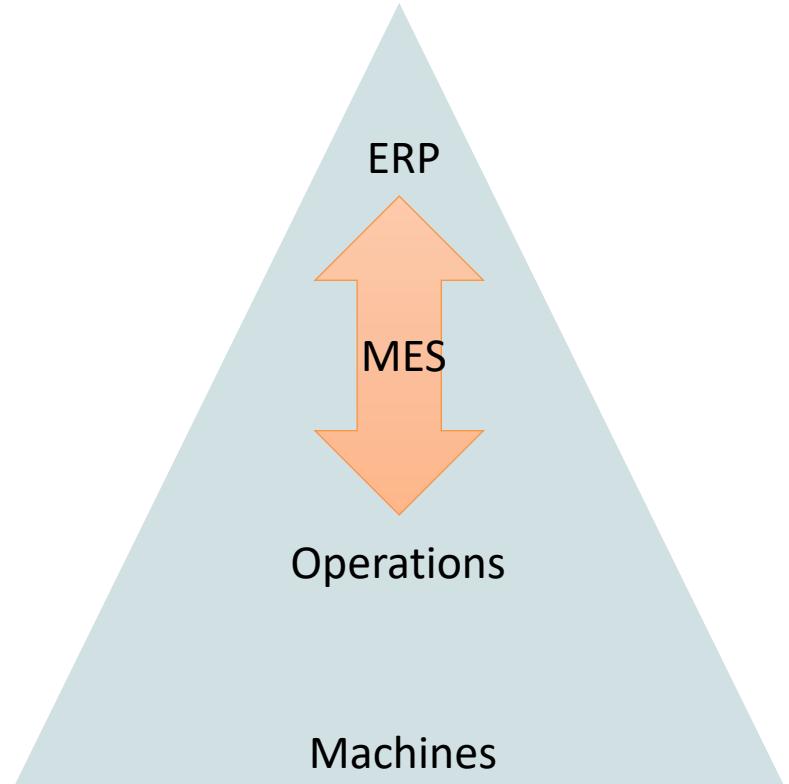
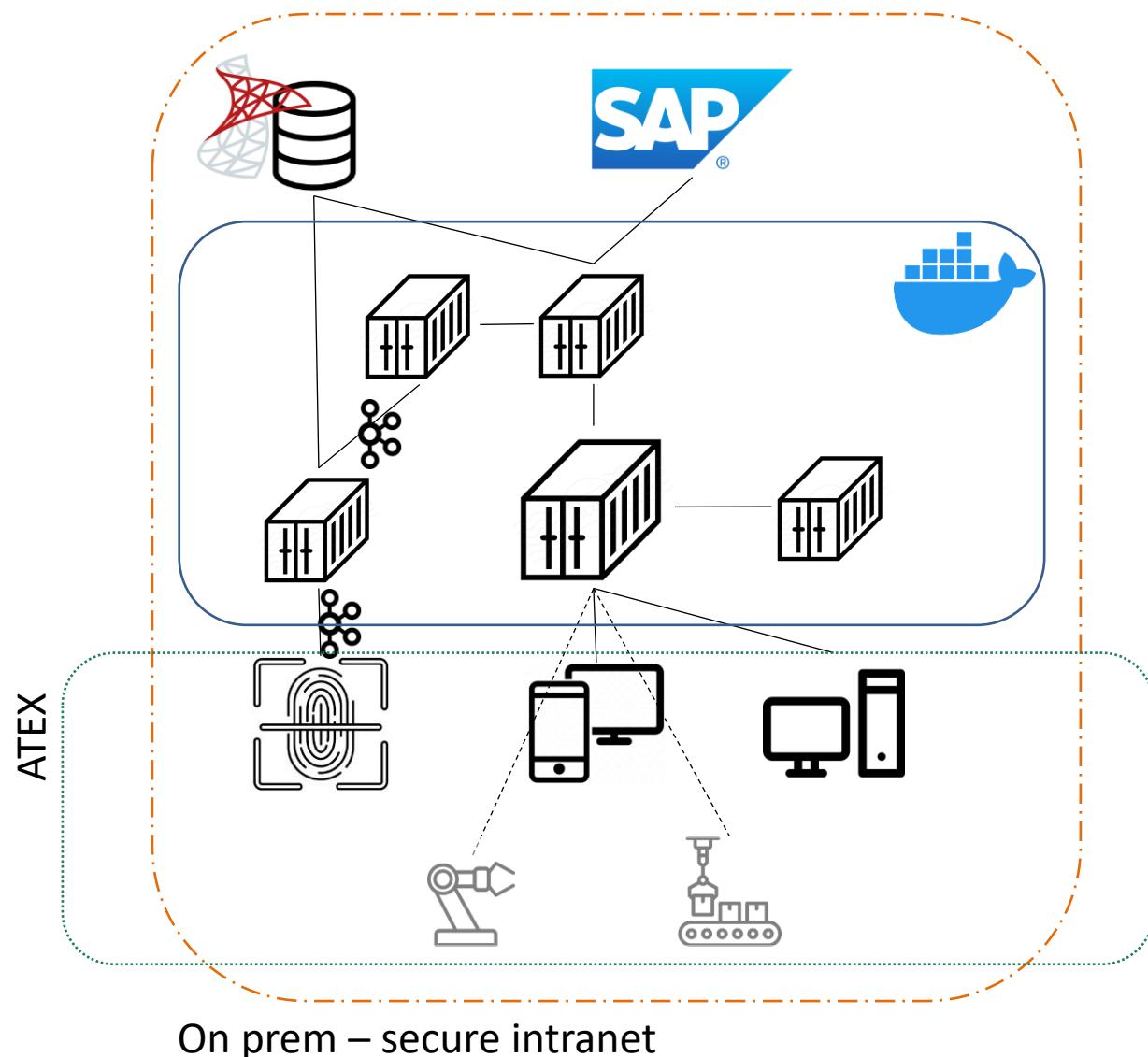


Proposed solution - RDS - Production Assistant

- Native ERP integration
- Production process digitalization
- Micro-Planning
- On field Execution
- Analytics & Reporting
- Rapid Deployment Solutions
(RDS): Fixed price & Fixed time (OOB)



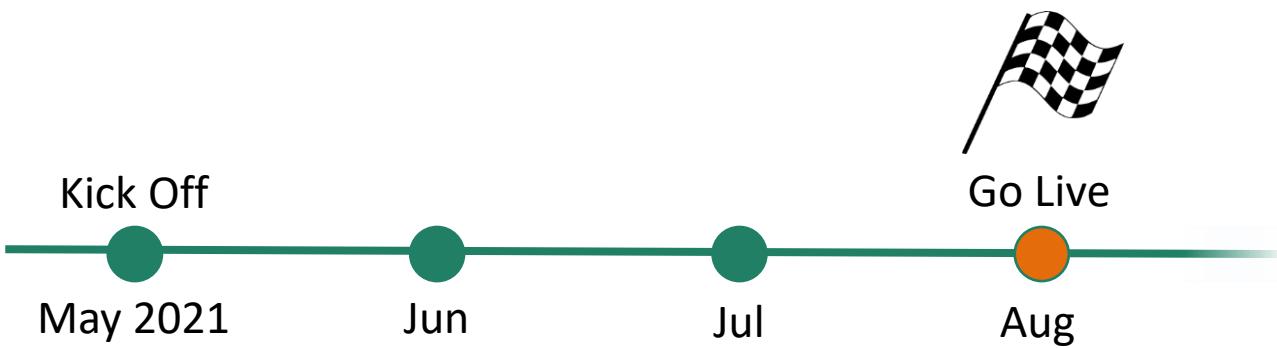
Proposed solution (Architecture)



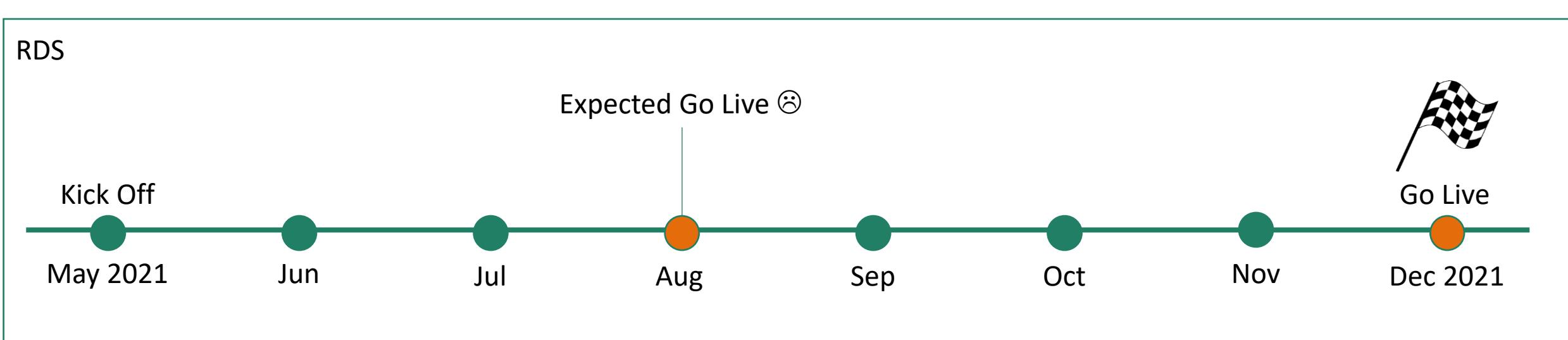
Program & Project Plan



RDS - MES



Program & Project Plan



Lesson Learned



- Data re-organization affect MES Go Live date
- Change Management affect MES Go Live date
- FI/CO side effects affect MES Go Live date

- On the bright side, COVID, remote team & remote training DID NOT affect MES GOLIVE

Results

- ✓ Production Order released to production
- ✓ ERP production model consistent with Production model
- ✓ Pieces/Hours declaration during production period
- ✓ **System is Up & Running, with more than 6K pieces already produced and monitored with the new MES**



Takeaway

- You don't need to be a multi bln company to approach I4.0 solutions.
- Delivery of strategic and complex project during a global pandemic is possible.
- Pilot & Rapid Deployment Solutions could lead to fast result.
- **MES alone is not new and is not the magic bullet, it's just a tool.
Skilled Consultants with Vision and a strong Methodology make the difference.**
- Always check quotes in presentations ☺

ennova

INDUSTRIES

VENEZIA

Viale Ancona, 26
30172 – Venezia VE

PADOVA

Via Savelli, 72
35129 – Padova PD

MILANO

Via Rossellini, 12
20124 – Milano MI

COMO

Via Cavour, 2
22074 - Lomazzo CO



Pierpaolo Russo
Managing Director

+39 338 3497441 

pierpaolo.russo@ennova.industries 

www.ennova.industries 