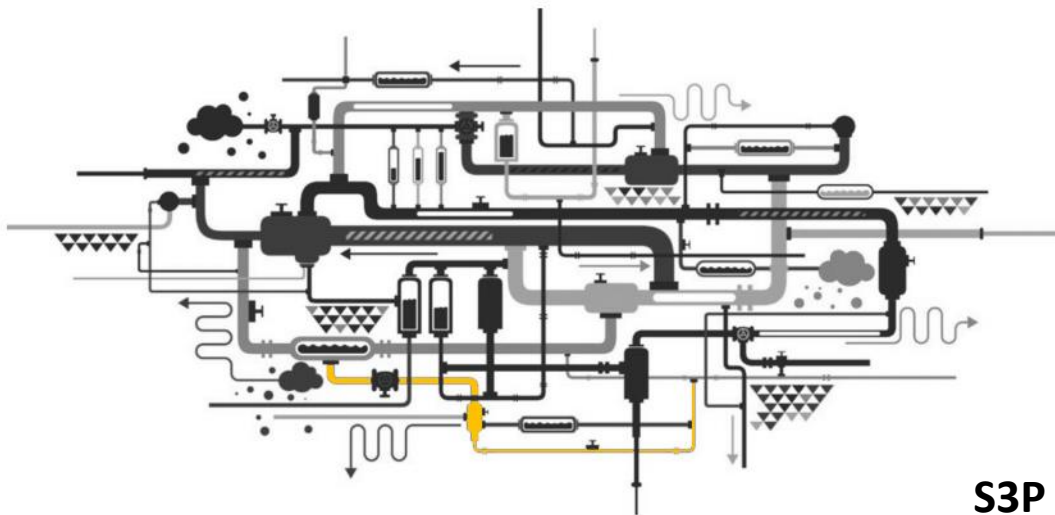


mortoff³

REACH THE CORE
OF SMART
FACTORY



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S3P Agrifood, Malaga
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Introduction



Mortoff is a trusted and innovative IT solution provider with 17 years track record in Hungary and EU.

2002

foundation

550+

projects

65+

clients

160+

employees

7+

mEUR

3

locations

Strong industry focus on Telecommunication, Financials and Manufacturing

Member of  **INNOSKART** since 2011
ICT cluster



spinoff in 2017

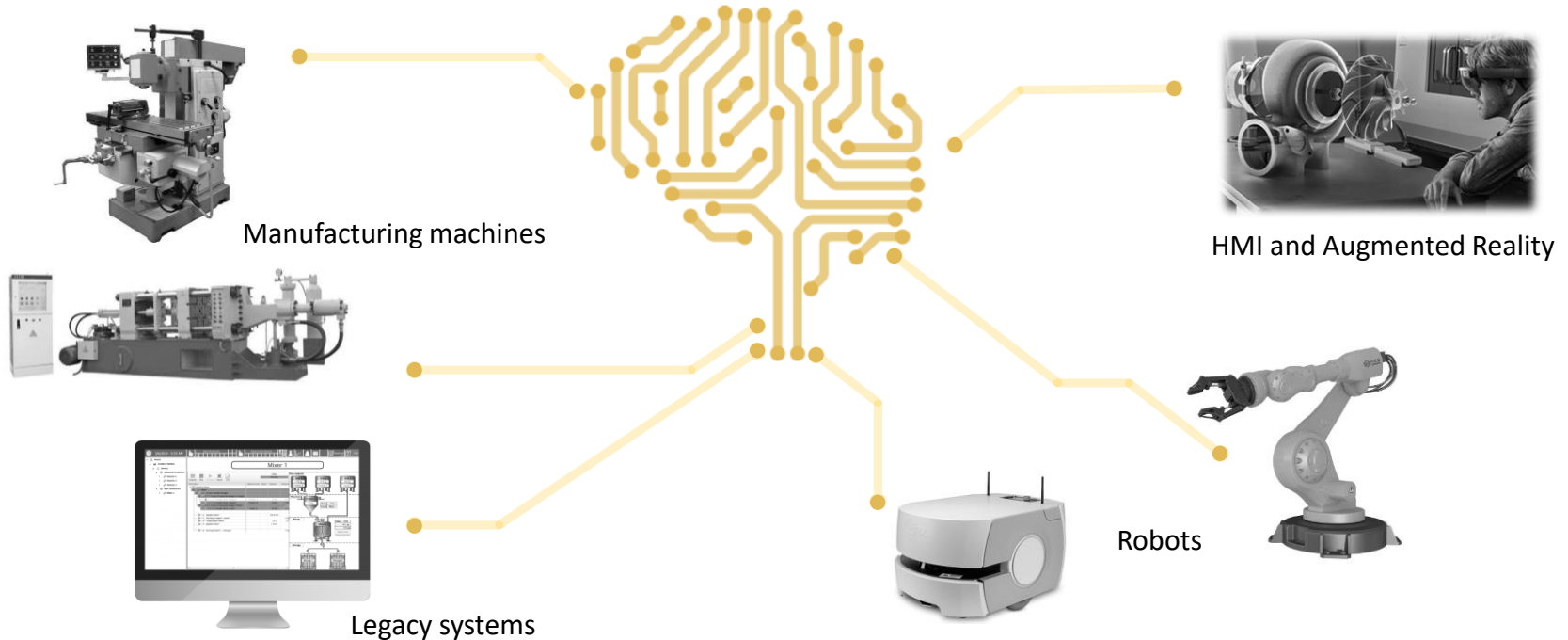
RReal-time
EEvent-based
AAnalytics and
CCollaboration
HHub

cloudera | DELL EMC | REACH

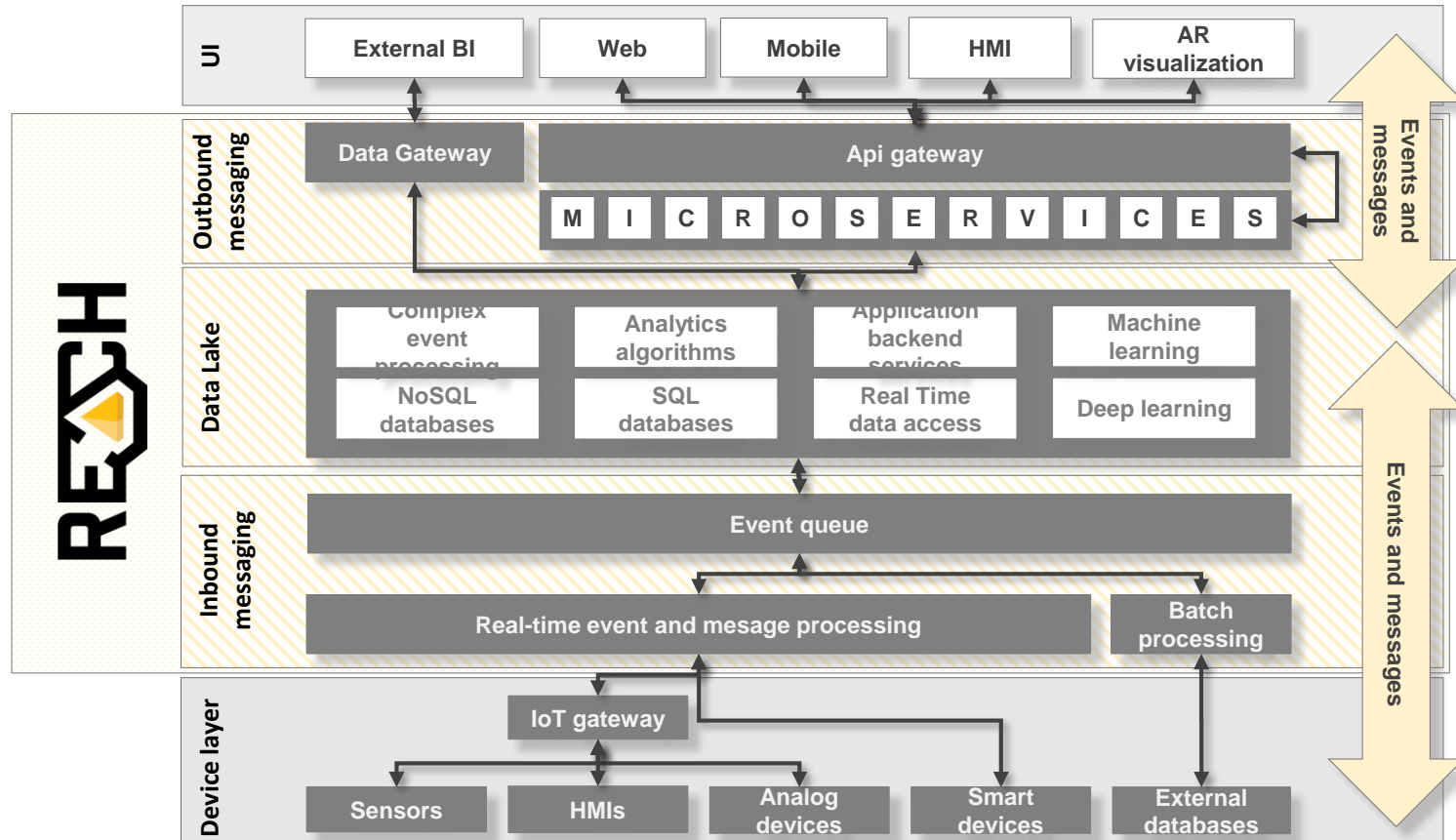
INDUSTRY 4.0
REFERENCE ARCHITECTURE

The nervous system of a Smart Factory

REACH is the central nervous system of a Smart Factory | sensing, learning and interacting with the environment and controlling complex processes in real time



REACH detailed architecture



General challenge – 3M

MACHINE



MAN



MATERIAL





Predictive maintenance
based on complex-event space analysis



OEE and Prescriptive alerting
computer aided manufacturing



Quality Management and Traceability
from the beginning to after sales diagnostic

Foods or beverages may be recalled for a number of reasons, ranging from complaints by consumers/ customers, due to testing and auditing by the company, or in the upstream supply chain.

The different types of contamination that can occur include:

- Microbial contamination, wherein the food safety and quality is compromised by the entry of disease-causing bacteria, parasites or viruses.
- Labeling errors, which can include noncompliance to mistakes in the ingredients list or date markings.
- Presence of foreign objects such as metal, plastic or glass.
- Contamination by machine oil, pesticides, chemicals and other potentially hazardous substances.
- Contamination by biological toxins in food plants, mushrooms or in aquatic products, such as shellfish toxins or histamine poisoning.
- Packaging faults
- Unsafe levels of additives



Looking for partners in food industry

For improving and testing our solution in the Food industry especially:

- Data acquisition and analytics (OEE, Traceability, ...)
- Rotary machine analytics

MACHINE



MAN



MATERIAL



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