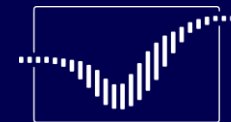


Appliant 
Apps GMP Compliant



COPADATA
Partner Community



zenon
by COPA-DATA



DIGITALIZATION
Low Digital Maturity Level
(Level 2: Digital Silos)



MODULAR AUTOMATION
with Modular Type Package¹

Modularization combines the **flexibility** of production with high **efficiency** and **low cost**
¹MTP → standard automation interface vendor agnostic

We design applications to increase your operational efficiency in a compliant way.

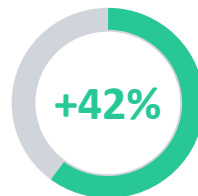
Using MTP technology to increase **flexibility, efficiency** and being **cost competitive**.

With **Zenon** platform GMP compliant:

- full compliance with **FDA 21 CFR Part 11** and **EU GMP Annex 11**.
- GAMP5 software category 4**.
- VDI/VDE/NAMUR 2658**.
- ISA 88 Batch Control**.



FLEXIBILITY
Personalized Medicine



FASTER TIME-TO-MARKET

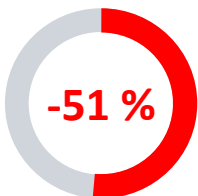
- Use of prefabricated modules with standardized interfaces.
- Easy integration in process control system.
- Fast upscaling from lab to production.

With **Zenon** platform GMP compliant:

- full compliance with **FDA 21 CFR Part 11** and **EU GMP Annex 11**.
- GAMP5 software category 4**.
- VDI/VDE/NAMUR 2658**.
- ISA 88 Batch Control**.



COMPETITIVENESS
Generics & Biosimilars



LOWER PRODUCTION COSTS

- Flexible MTP system easily scales in line with market demand.
- Smaller batch sizes are more cost effective.
- Decreased investment risk associated with market entry.

With **Zenon** platform GMP compliant:

- full compliance with **FDA 21 CFR Part 11** and **EU GMP Annex 11**.
- GAMP5 software category 4**.
- VDI/VDE/NAMUR 2658**.
- ISA 88 Batch Control**.



ROBUSTNESS
Process Intensification

10x



INCREASED FLEXIBILITY

- Reduced maintenance and storage costs
- Fast re-arrangement of modules

MODULAR AUTOMATION to increase flexibility, efficiency and low-cost

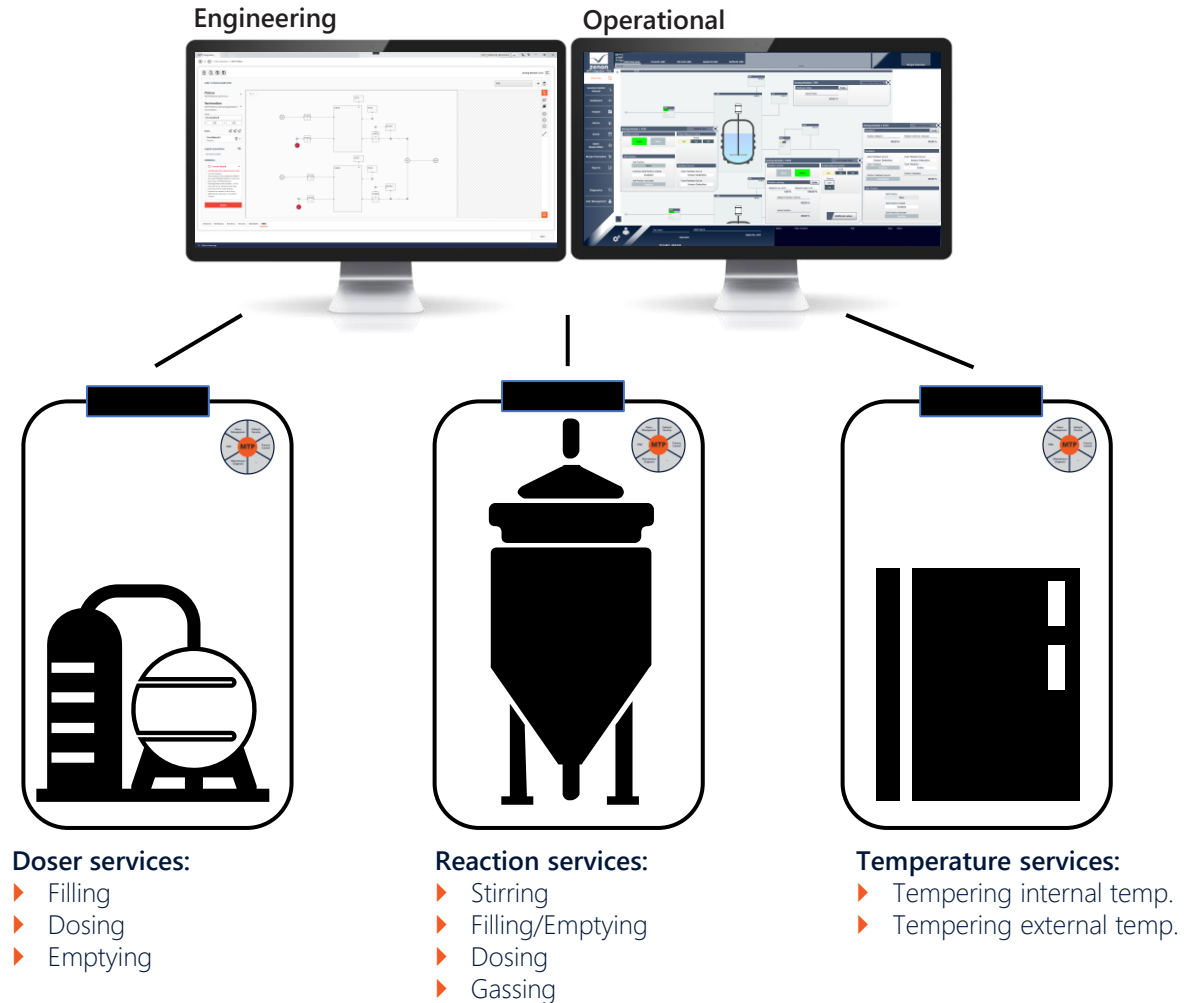
MODULAR AUTOMATION with Modular Type Package

[MTP → standard automation interface vendor agnostic]

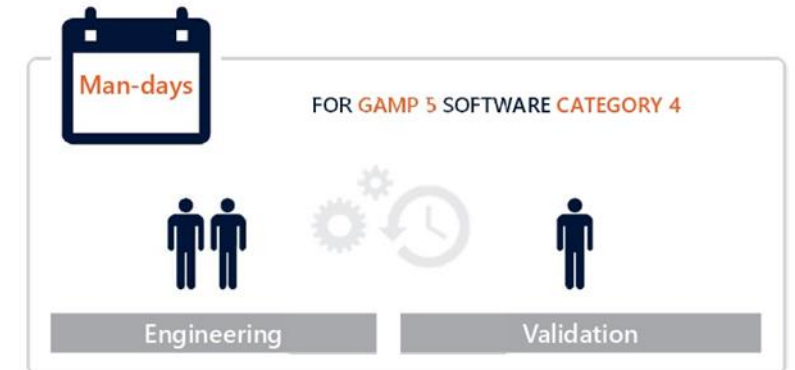
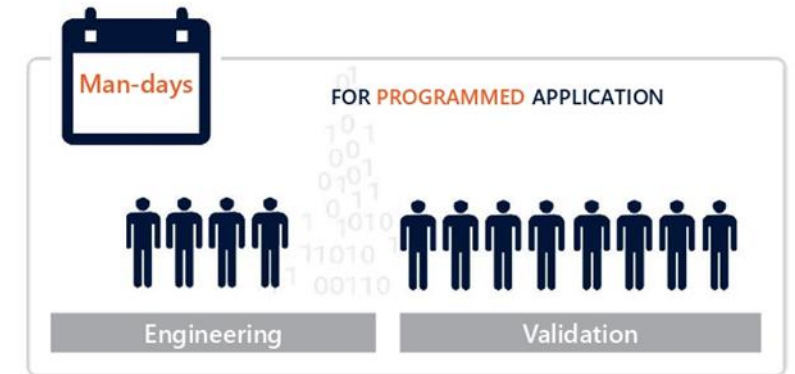
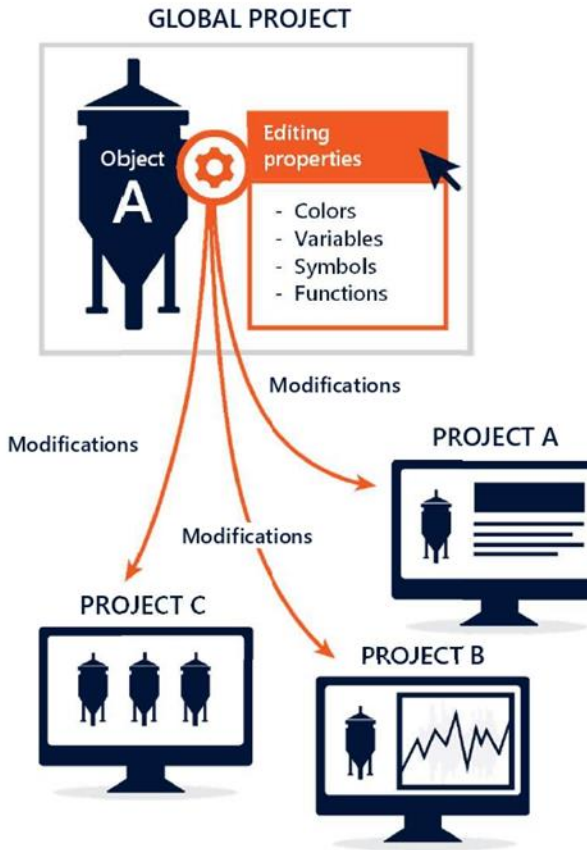
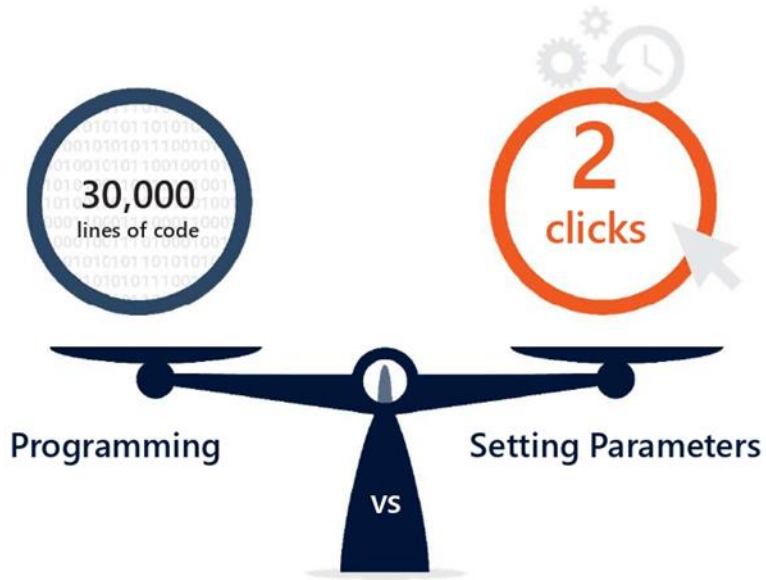


Standard: NAMUR 2658

(NAMUR is a leading international association representing the interests of users of automation and digitalization technologies.)

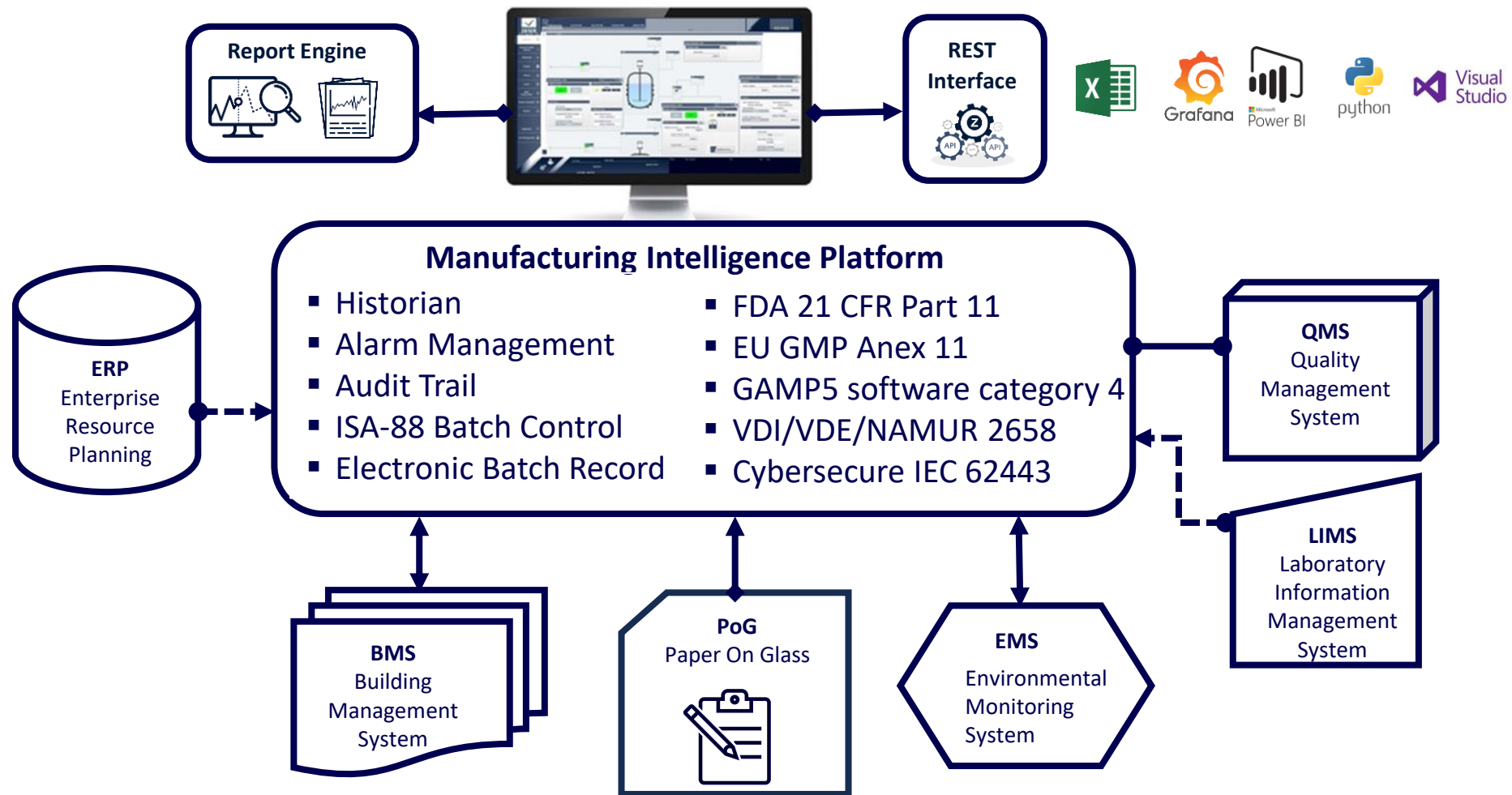


MODULAR AUTOMATION to increase flexibility, efficiency and low-cost



Manufacturing Intelligence Platform [MIP]

The aim of the MIP is to have all the manufacturing and lab data available in the same place, to enhance a site management based on data.



Predict Deviations in Real Time to proactively increase operational efficiency

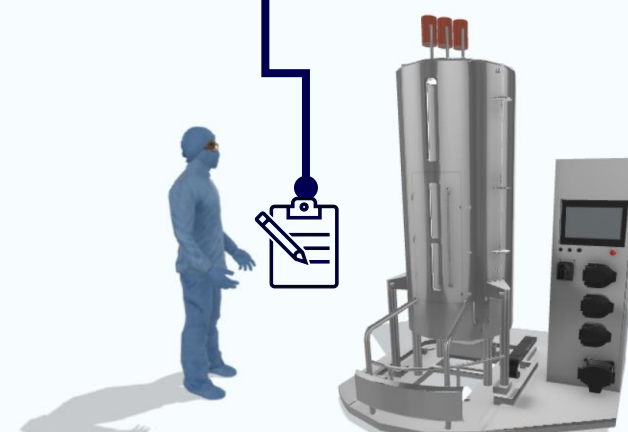
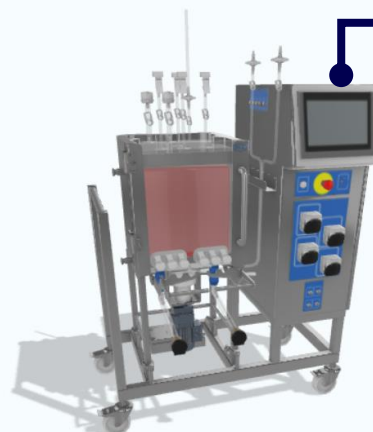
Real Time Reject

Continuous Process Verification 4.0

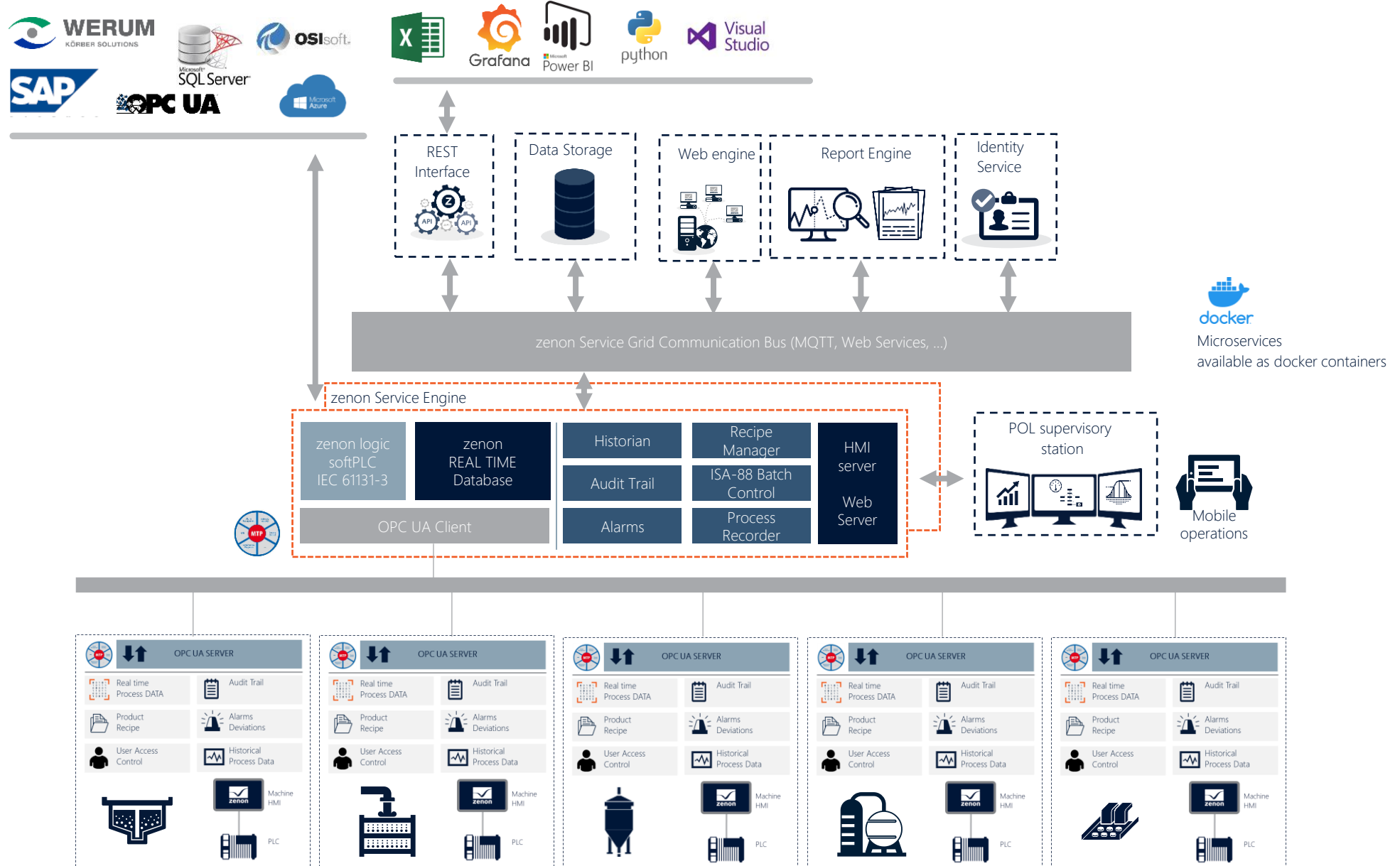
Real Time Product Quality Review

Manufacturing Intelligence Platform

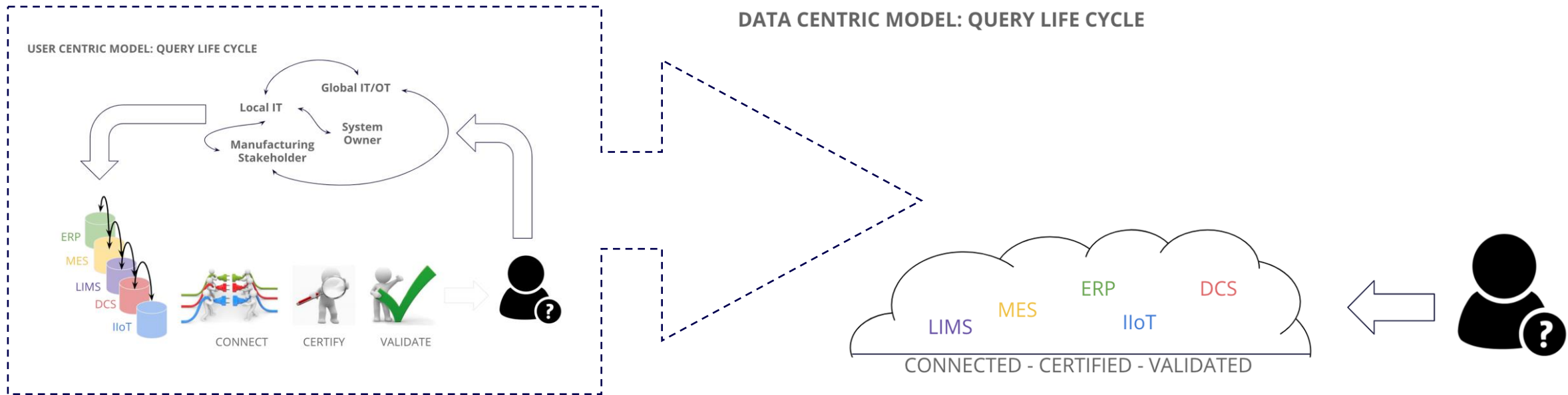
- Historian
- Alarm Management
- Audit Trail
- ISA-88 Batch Control
- Electronic Batch Record
- FDA 21 CFR Part 11
- EU GMP Anex 11
- GAMP5 software category 4
- VDI/VDE/NAMUR 2658
- Cybersecure IEC 62443



Manufacturing Intelligence Platform [MIP]



It is a Paradigm Shift → from Monolith to SERVICE ORIENTED ARCHITECTURE





COPA-DATA Bronze Partner

Appliant
Apps GMP Compliant S.L.

Awarded for an outstanding commitment to finding easier ways to work in the world of industrial automation, and for being a highly valued member of the COPA-DATA Partner Community.



Thomas Punzenberger
COPA-DATA CEO

Appliant 
Apps GMP Compliant

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