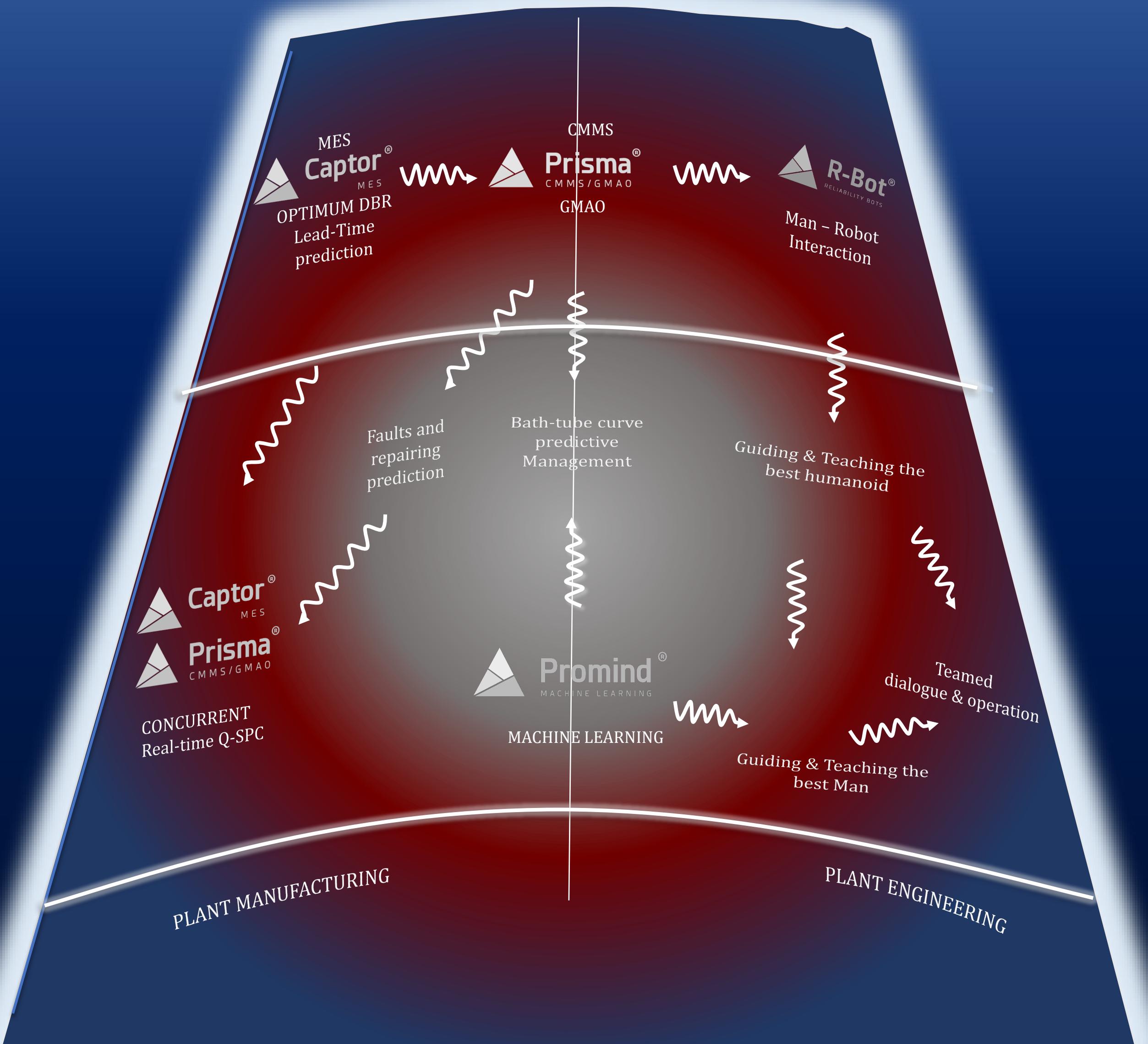


Plant Real Time Operation



SISTEPLANT Engineering: IN THE MIDDLE OF THE Cyber- FoF

*Flexible Intelligent Automation
Reconfigurable process Optimization*

Integral life-bath-tube-Reliability

*Building the Cyber-Man
Humanoid Robots Interaction*



Profun®

ROBOT-HUMAN INTEGRATOR



Why Prisma® is the best CMMS (GMAO) for the Cyber-FoF?

Integrating life Bath-Tube Reliability Maintenance Strategy

Real-time fault prediction and A.I. Machine Learning based root cause Analysis

Virtual reality and Symbolic Regression Scientifical operation & training



WHY Captor® IS THE UNIQUE M.E.S. FOR THE CYBER-FoF's?

CYBER-FoF:

Real time
Adaptive
Predictive
Optimization

RTAPO

DEEP IMPROVED
BY DEEP TEACHING



 Captor®:
MES

RTAPO

Supporting:
Sisteplant's
software

In:
• DBR-CPM Scheduling Flow
• SPC – Quality
• Machinery Reliability & Maintenance

$$\text{• OEE and } \text{OEE}_t = 1 - \frac{\text{MTTR}}{\text{MTBF}}$$

(CMMS)

In:
• DBR-CPM Scheduling Flow
• SPC – Quality
• Machinery Reliability & Maintenance

• OEE and $\text{OEE}_t = 1 - \frac{\text{MTTR}}{\text{MTBF}}$

 Promind®
MACHINE LEARNING

(Machine Learning)

Captor® &
Supporting:
Software deep
teaching

- Aggregated-Summary filtered info with
- Root-cause provided analysis and
- Plant's real-time filtered-relevant impacts virtual MIMICS



Why Promind® is the best Machine Learning software for the Cybers?

Self-explanatory Symbolic Regression

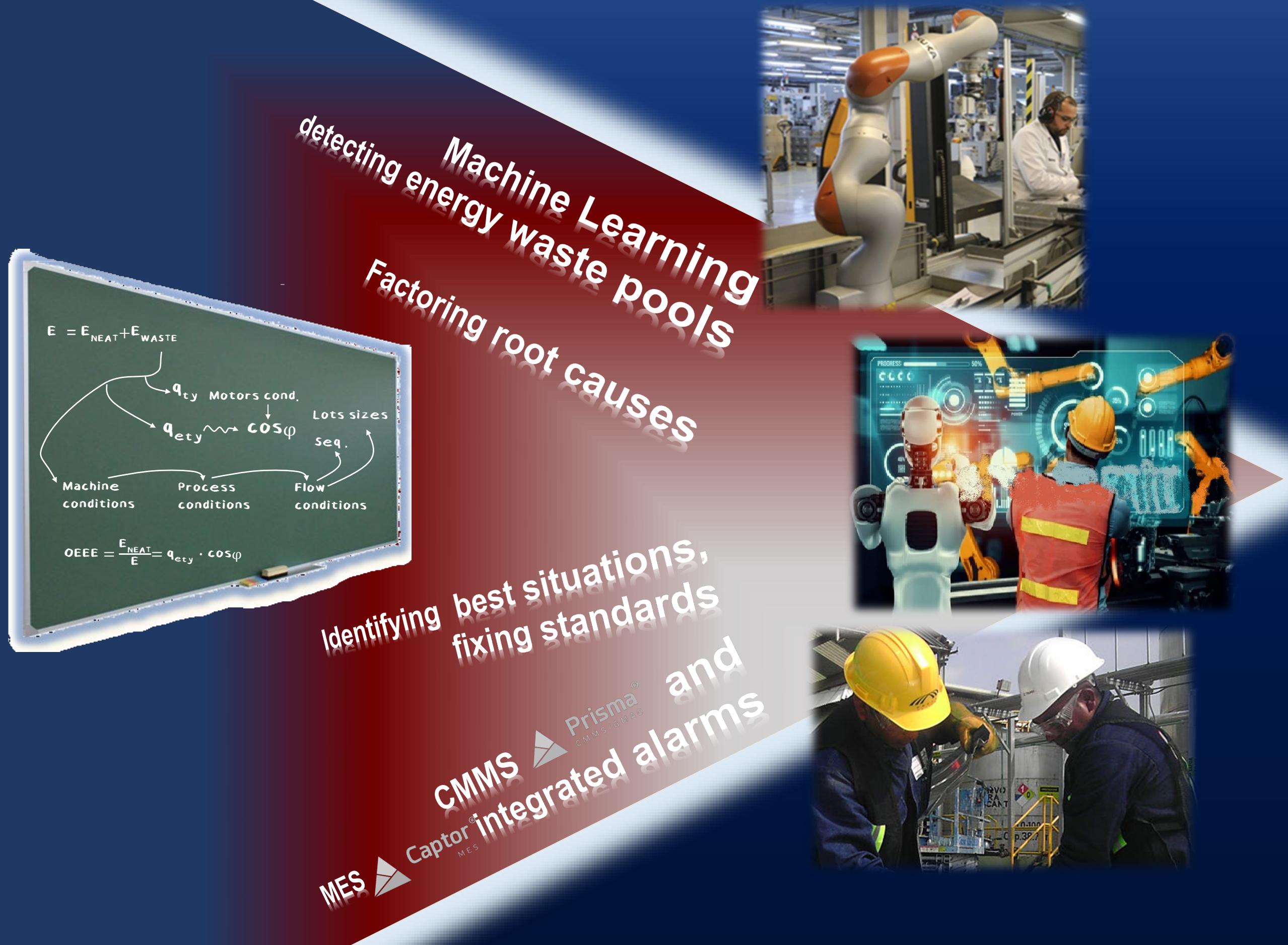
Equipment Reliability focused leading edge algorithms

Real time interaction with MES and CMMS (GMAO)

Energy optimization module



Energy Optimization from its roots



Leading human – robots interaction

Leveraging Cyber – Man Capabilities

Scientific mutual teaching and Knowledge building

Coworking robotized Maintenance

Knowing “Why he knows that he knows”

