

Cologne

AI Community Day

Community Dilemma –
Old machines cannot do AI

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Made possible with the support of:



more information on:

<https://gaic.io/cologne>



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VIVA
EXPLORERS



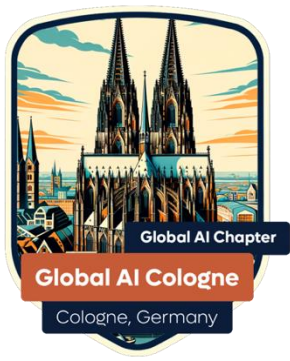
Decode AI

Framing the Challenge in Manufacturing



AI Adoption Motivations

Executive leadership drives AI adoption to boost production efficiency, sales, and profitability in manufacturing.



Legacy Equipment Challenges

Existing machines are under depreciation, lack telemetry, and have limited data access and compute capabilities.

Non-Invasive AI Retrofits

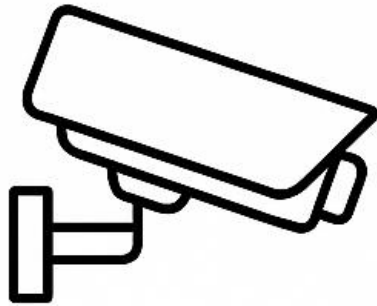
Non-invasive AI retrofits enable AI deployment alongside current equipment without hardware replacement or downtime.

Operational Constraints

Challenges include data scarcity, hardware limits, and operational risk, requiring practical AI implementation strategies.

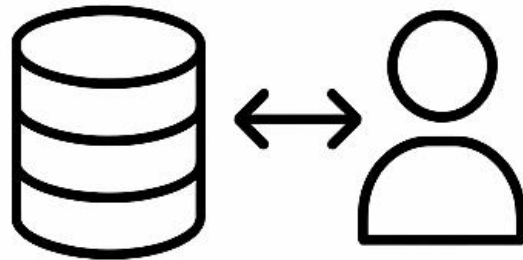
3 Practical Paths to Start with AI

Camera-based sensing



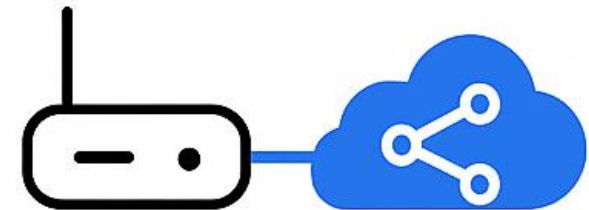
(e.g. gauge reading, defect detection)

Proxy data from MES/ERP



(e.g. downtime logs, operator input)

Edge gateway or hybrid cloud inference



(local pre/post-processing + cloud AI)

Questions?

