

REWAI - Reducing Energy and Waste using AI

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Pro2Future GmbH

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Lenzing AG

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Lenzing

Innovative by nature



Pro²Future

JKU

Institut für
Pervasive Computing

**TU
Graz**

ISDS

INSTITUTE OF
INTERACTIVE SYSTEMS
AND DATA SCIENCE

Shareholders of Pro2Future GmbH:



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REWAI :: Motivation & Approach

Business Problem

- global fashion industry has 10% of global greenhouse gas emissions
- Unsustainable fibers have a competitive advantage over high-sustainable ones i.e. viscose

AI Adoption Problems

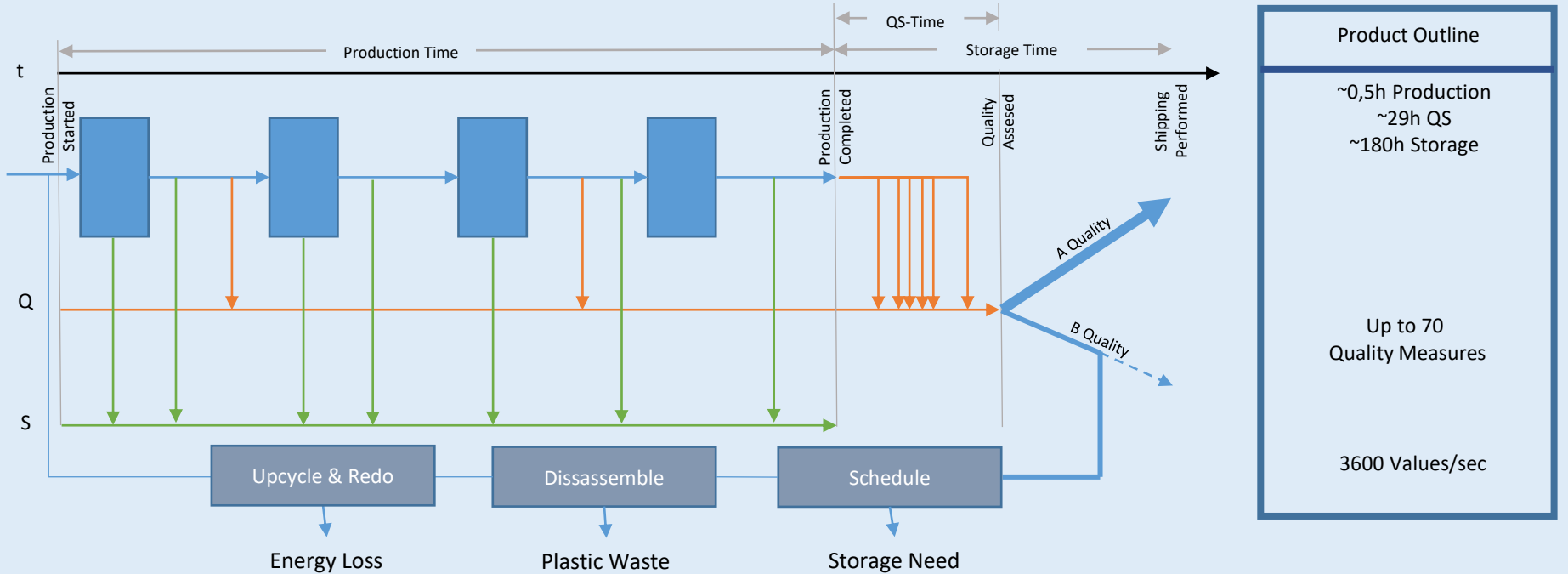
- threat of replacement of human workforce and
- lack of trust towards AI based decision making

Approach

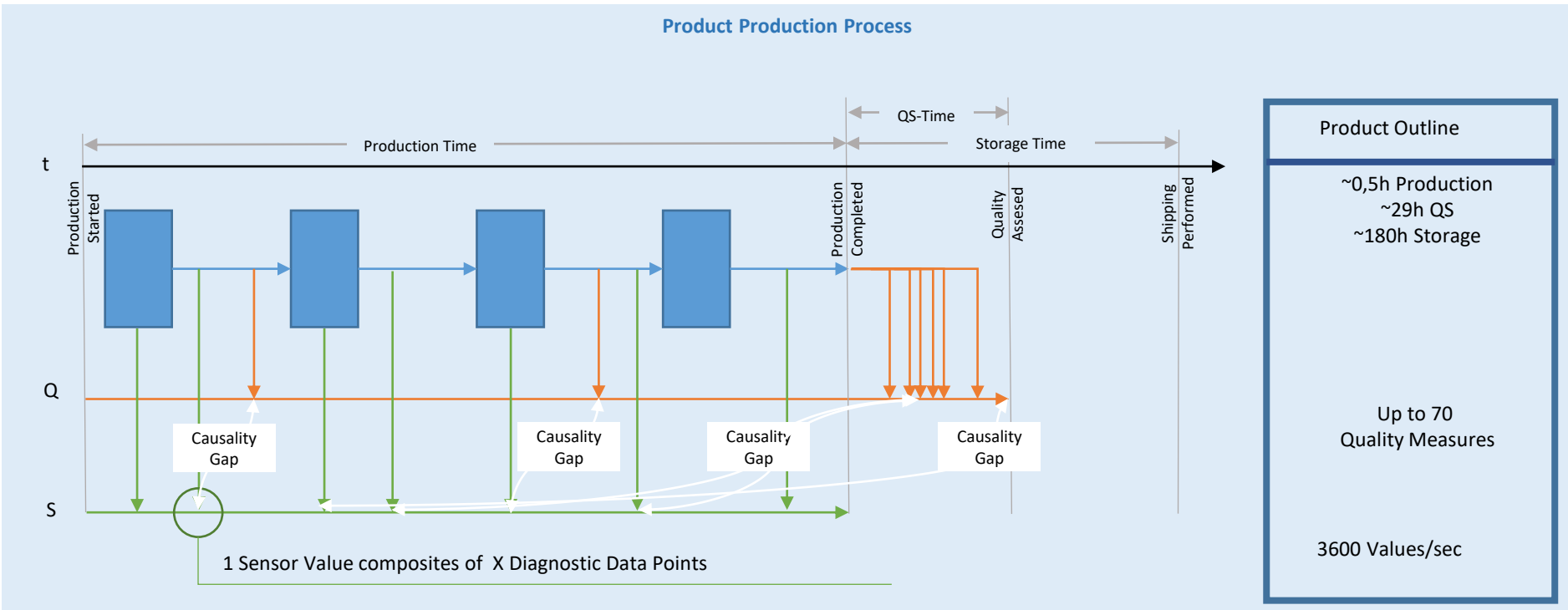
- Predicting and Forecasting
- Embedded AI
- Human Factors
- Explainable AI
- Causality
- Counterfactual explanations

REWAI :: Approach :: SOTA

Product Production Process



REWAI :: Approach :: Causality



REWAI :: Approach :: Explainability

