November, 27th - 2024 Reggio Emilia – Italy

Innovation day

Data-Driven Service Strategies

Innovation and Proactive Maintenance in Modern Industry

OEM side

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introduction



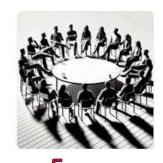
2. dada-driven ecosystem



3. Hools And Approaches



4. USES CASES



5. End-presentation tribliography



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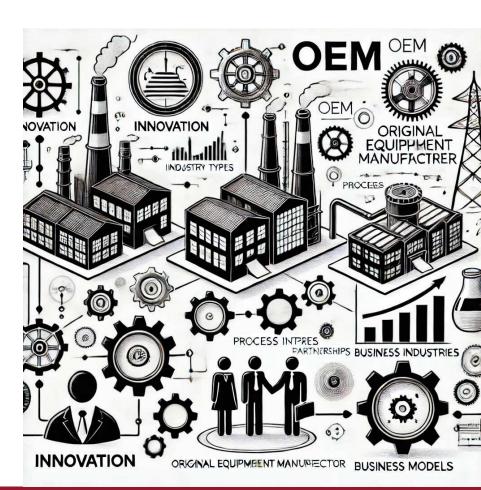


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Introduction

- Innovation: What is it?
- Business Model
- Partnership

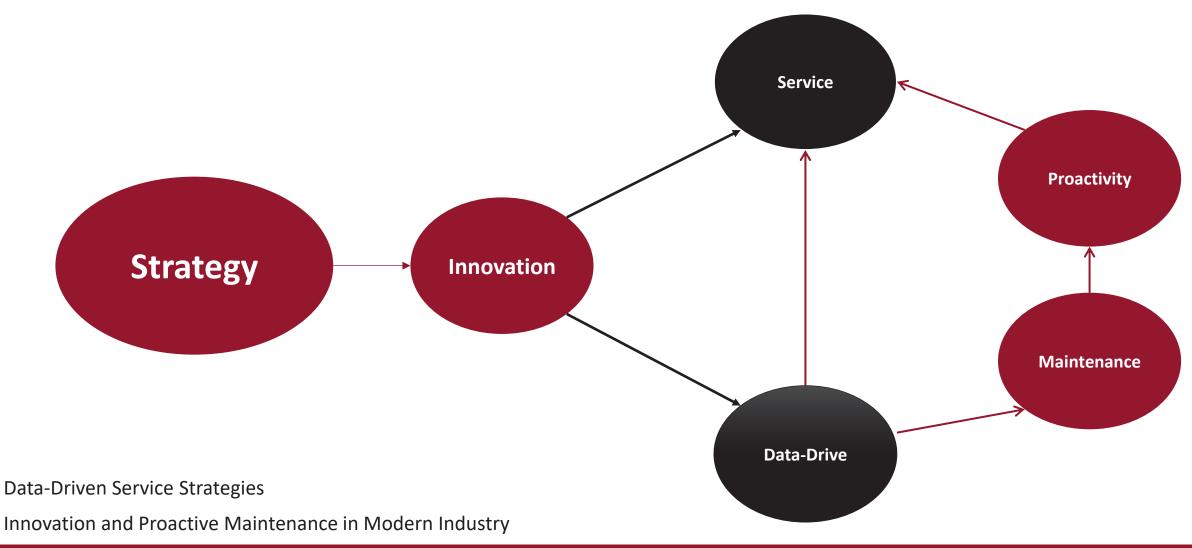




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Innovation

Innovation is a perspective, we must think beyond



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Business models

The business model defines the framework within which a company operates and creates value for its customers and stakeholders.

Cost Structure

Costs that are involved in all aspects. Fixed and variable cost, scale economy, sustainability, ... Market Segmentation Specific group of potential customers

Operation Processes Dato to day activity, production, distribution, customer service.

Value Proposition What make product/service attractive to customers.

Revenue Streams How company make a money

Key Resources Essential assets, intellectual properties, human, financial

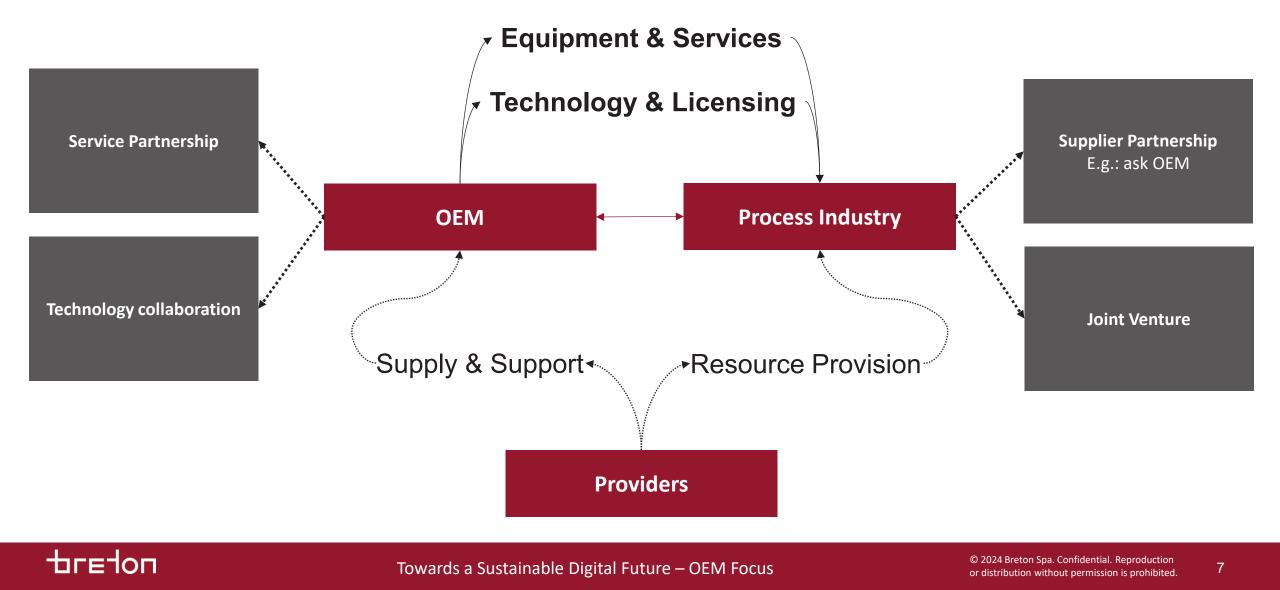
Key Partnerhip Network of supplier, distributors, collaborators, ...



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Partnership: Provider, OEM and Process Industries

Competitive and rapidly evolving industrial landscape calls for strategic partnerships





Data-Driven Ecosystem

- Data-Driven Ecosystem
- Human-Centric Design and Industry 5.0

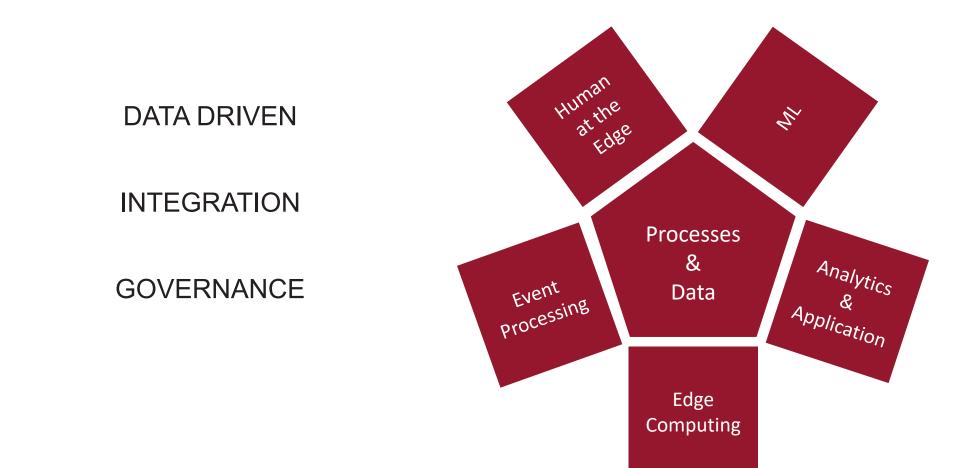




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Data-Driven Ecosystem

A data-driven ecosystem integrates and analyzes continuous data collection to enhance operations, decisions, and customer experiences.

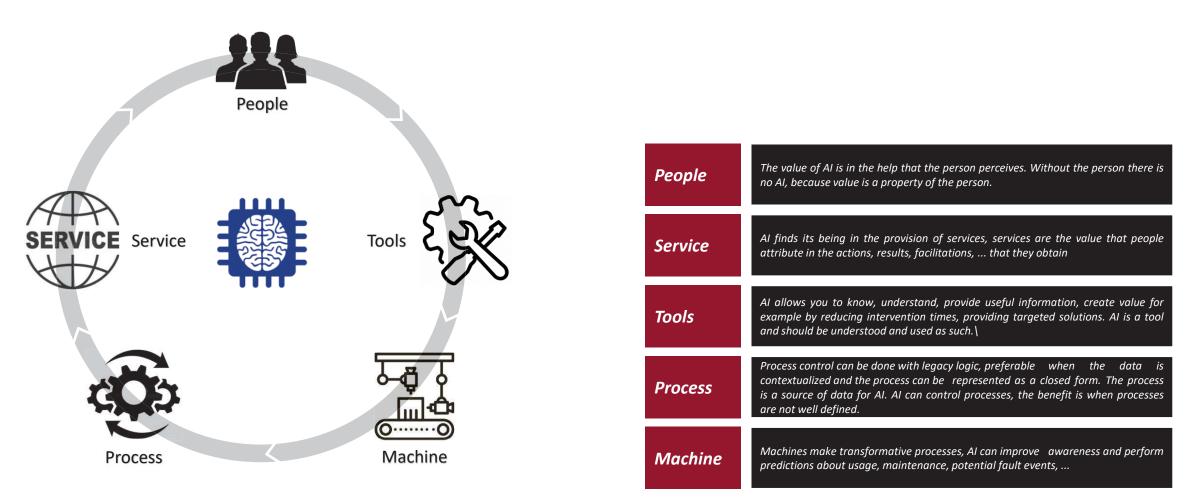




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Data-Driven Ecosystem

→ *People* × *Tools* × *Service* × *Process* × *Machine*

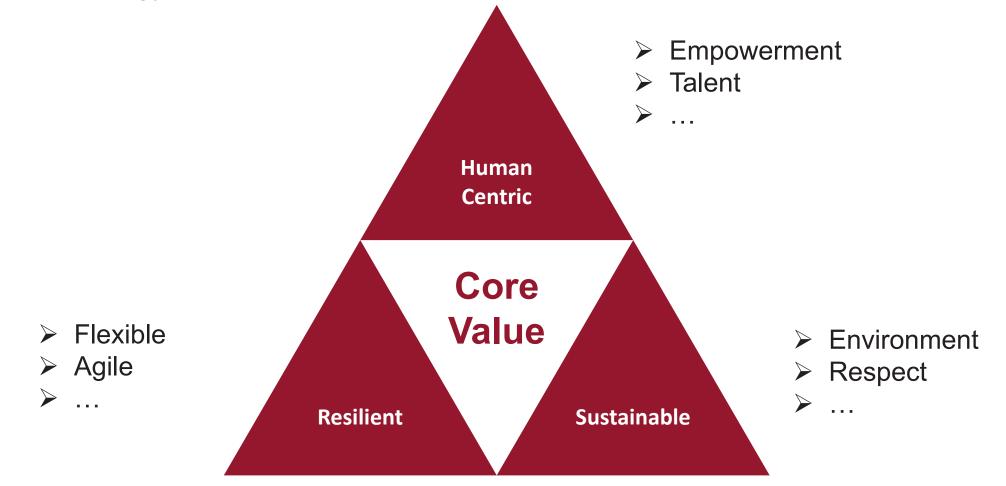


Five Elements of AI profitability



Industry 5.0 And Human Centric Design

Industry 5.0 and Human Centric Design emphasize integrating human creativity with advanced technology for sustainable and inclusive industrial processes.







Tools and approaches

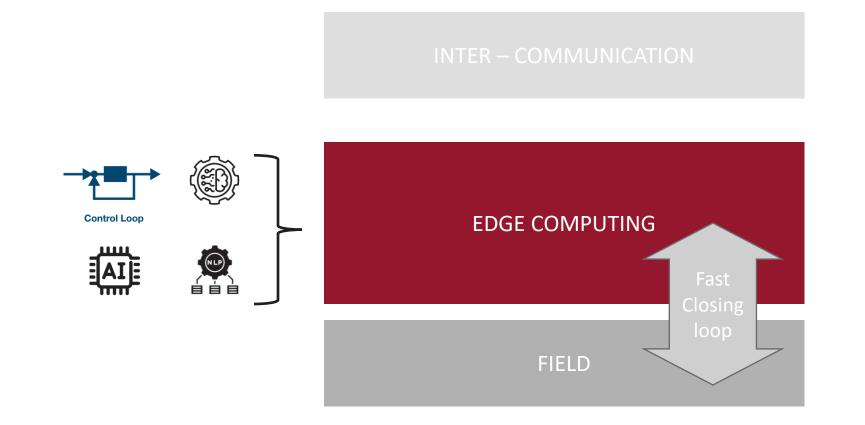
- Edge Computing
- Human in the Loop
- Human at the Edge
- Proactivity in Machines





Edge Computing

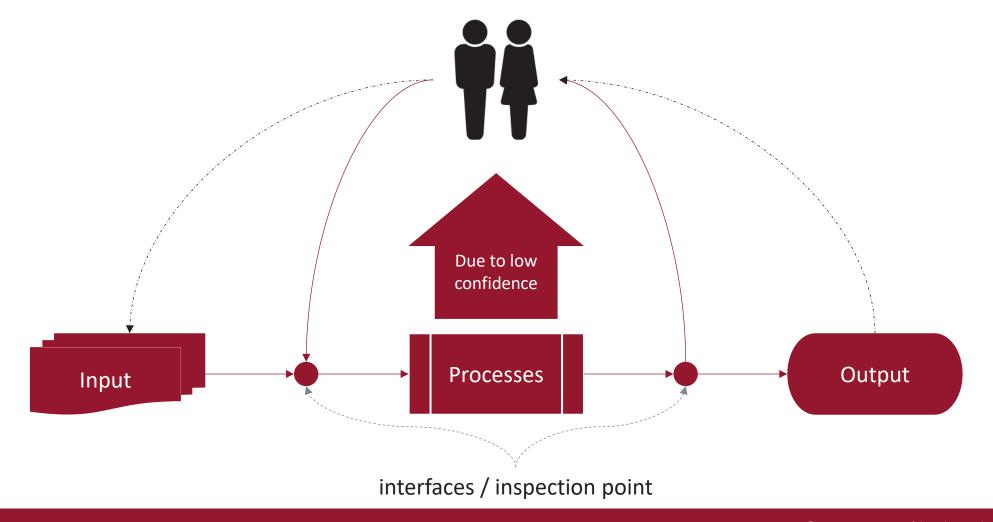
Edge computing is a computing approach that processes data near its source to reduce latency and bandwidth use.





Human in the Loop (HITL)

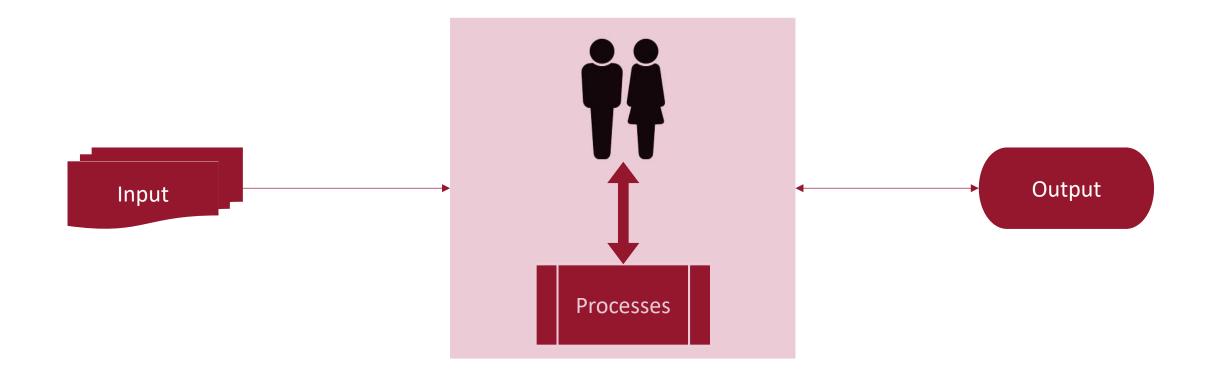
HITL involves incorporating human judgment into automated systems to ensure accurate and ethical decision-making.





Human at the Edge

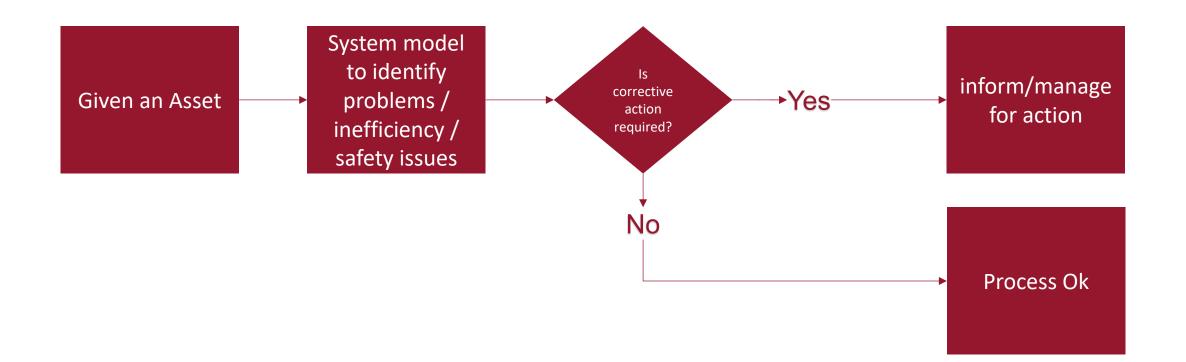
"Human at the Edge" involves placing human decision-making close to data sources in edge computing environments for real-time responses.





Proactivity in Machinery

Proactivity in machinery refers to the capability of machines to anticipate needs and act in advance to address them, often using AI and data analytics. This approach improves efficiency, safety, and predictive maintenance.







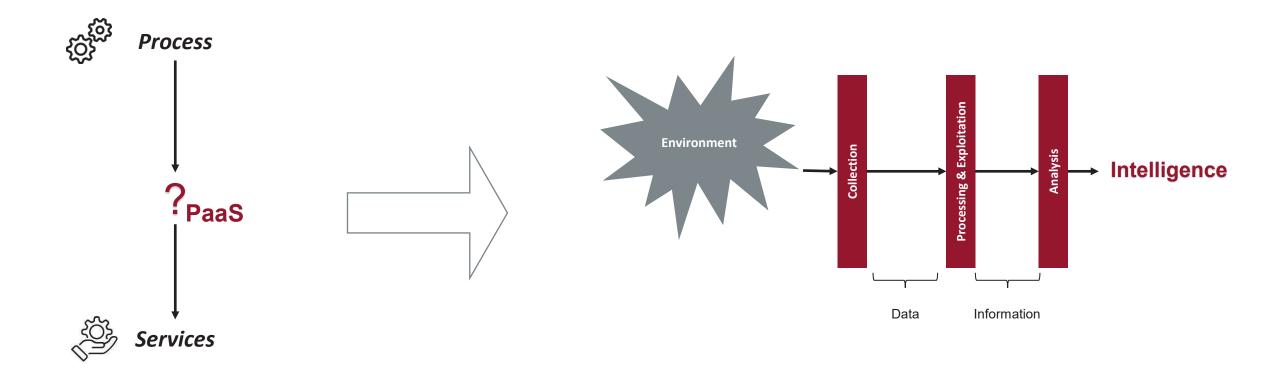
Use case

- Problem Setting
- Digital framework
- Solutions





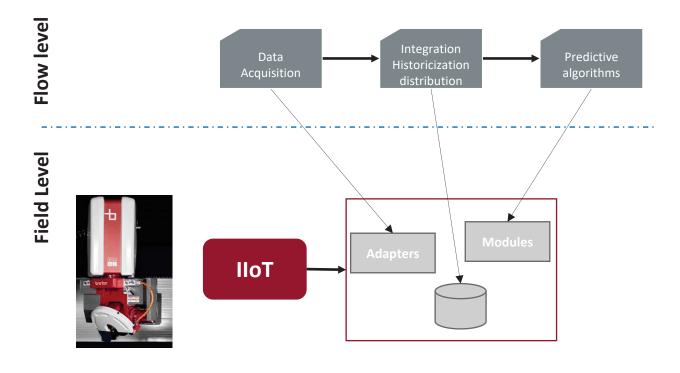
Problem Setting Business model



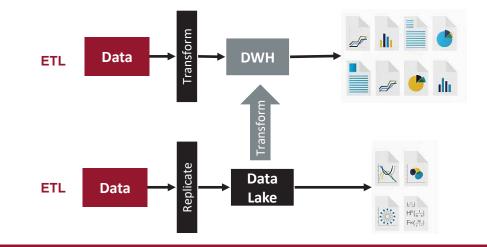


Digital Framework

The digital framework integrates edge computing and IoT, funneling data into the cloud, differentiating between data lakes, which store raw data, and data warehouses, which hold structured data for analysis.



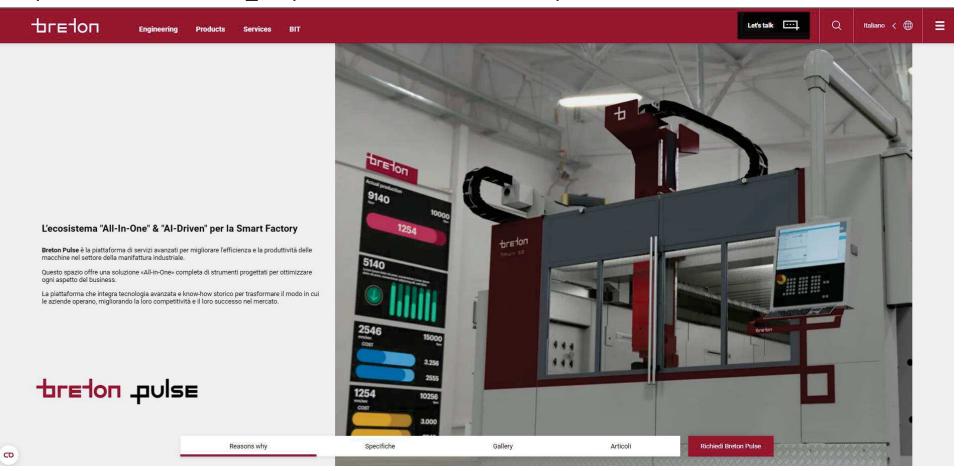




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Solution

https://www.breton.it/it_eu/products/software/breton-pulse

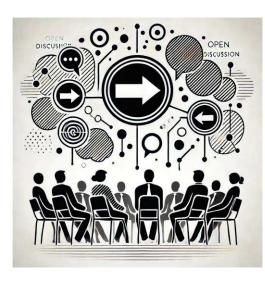




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End presentation

Open discussion



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