

AI in manufacturing:

Emerging opportunities or new challenges for data acquisition.

OLSON
MERGING TECHNOLOGIES

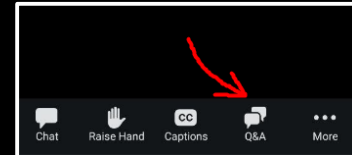
Agenda

- 1 Speakers Info
- 2 Factory Goals
- 3 Technology Overview
- 4 AI in Manufacturing Industry
- 5 Implementation Challenges
- 6 Data Engineering for AI

! The meeting is recorded

! Attendees are muted

! Questions can be asked in the chat during the meeting and will be addressed at the end



Welcome to Q&A

Questions you ask will show up here.
Only host and panelists will be able to see all questions.

[Ask a Question](#)

1. Our Speakers



Enrique Herrera

Industry 4.0 Independent Consultant

20+ years in Digital Transformation

Automotive, Manufacturing, Industry 4.0 solutions.



Martin Davis

CIO | CDO | Industry 4.0 Consultant

20+ years in Digital Transformation and Strategy

Industry 4.0, IT and business strategies.



Yuri Pilipenko

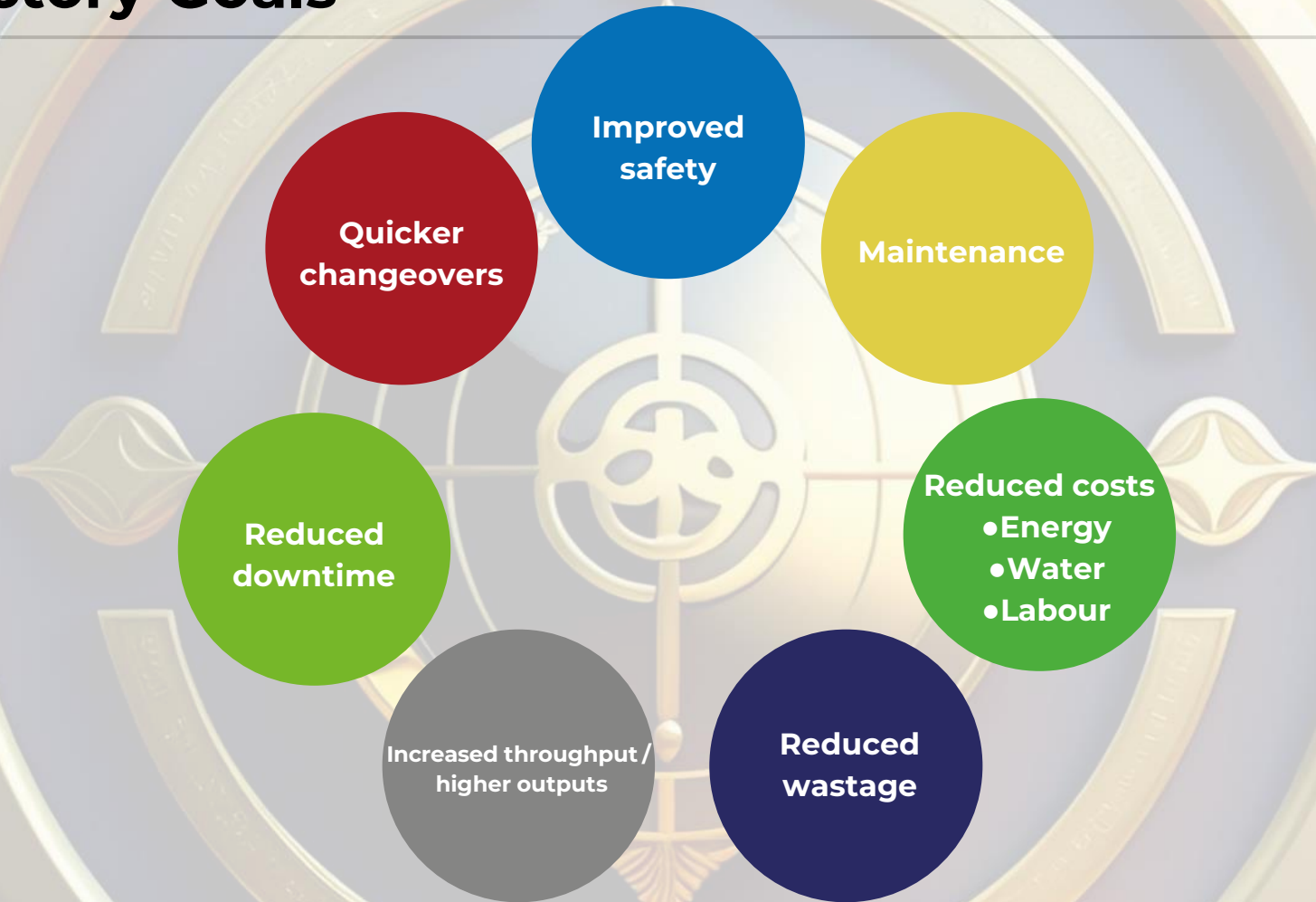
Founder and CEO at OLSOM

20+ years in Manufacturing IT

Specializes in discrete manufacturing and its processes

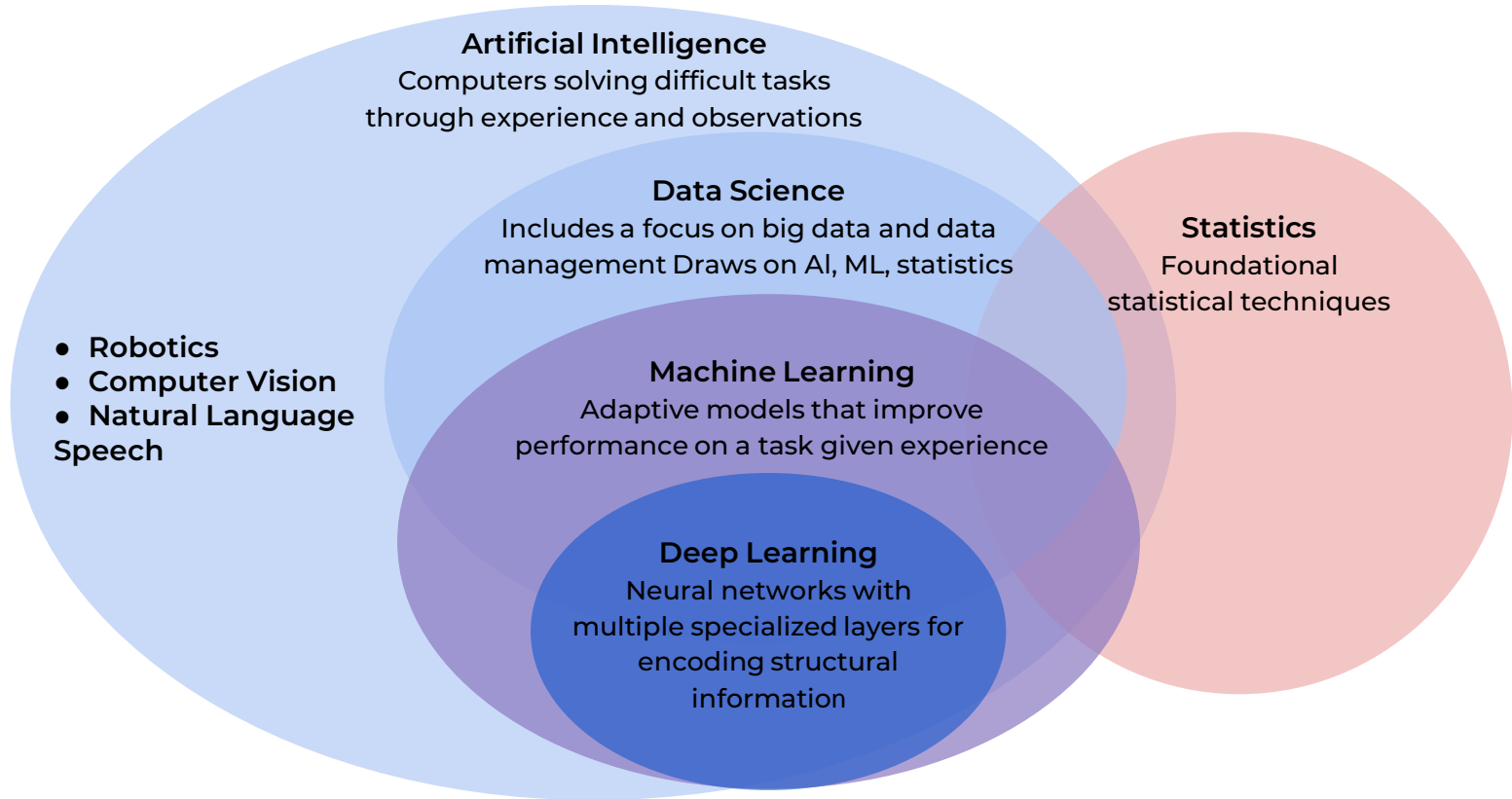


2. Factory Goals



3. Technology Overview

Behavioural science, psychology, social science, mathematics, and many other disciplines



4. AI in Manufacturing Industry

How can AI help Improve the Manufacturing Industry



Automation



Supply chain mgmt.



Data Analysis



Energy Efficiency



Quality control



Predictive Maintenance



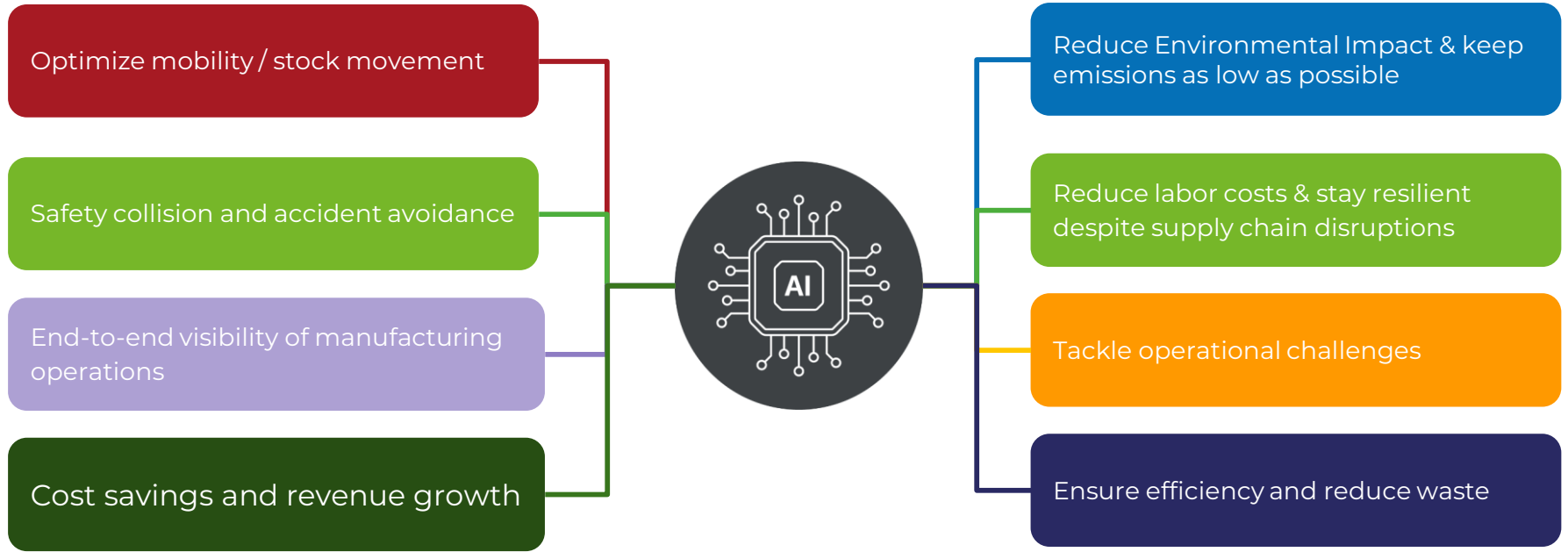
Improved Safety



Simulation

4. AI in Manufacturing Industry

AI in the Future Manufacturing



5. Implementation Challenges



Why data engineering is challenging for manufacturing environment?



Data is not being collected at all



Noise and anomalous data



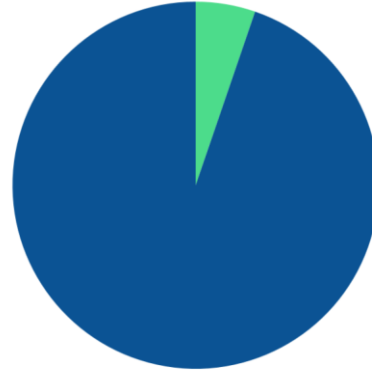
Fragmented unnormalized, inconsistent IT environment

6. Data Engineering for AI

Industry and Research Invest in AI in Different Ways
Better Models or
Better Data?

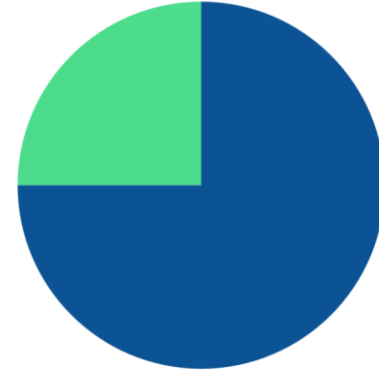
PhD

● Datasets ● Models & Algorithms



Tesla

● Datasets ● Models & Algorithms



80%

Data scientists spend most of their time to gathering, cleaning, and preparing data.

AGWTM

PLATFORM THAT ALLOWS

Data collection



Applications



Equipment



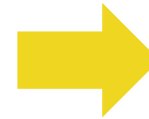
Workers



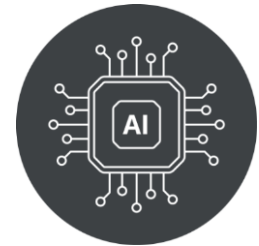
Third parties

Data Processing

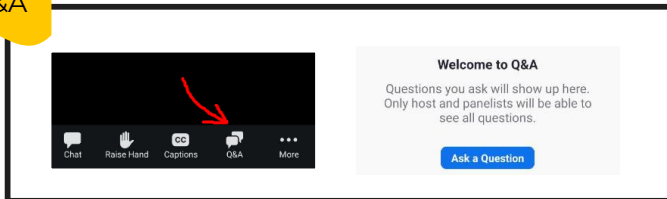
- Clean up
- Normalize
- Aggregate
- Contextualize
- Visualize



Training the model



Book your AGW Demo to learn how to start your data engineering



More information

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Start Engineering Your Data NOW