Manufacturing AI

November 14, 2019

Team AIBOD

AIBOD

Fast Facts

Born from Academia in Kyushu (South Japan)

Our global team represents eight different nationalities

Proven AI development for your new business

Management Team

Hisato Matsuo
Founder,
President & CEO

Ex Consultant,
IBM

Kazuaki Murakami, Ph.D.
Founder,
Board Member

Professor Emeritus,
Kyushu University

Antoine Trouve, Ph.D.
Co-Founder
CTO

Ex Assistant Professor,
Kyushu University

MANUFACTURING AI

AI DESIGN & INTEGRATION

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AI VALUE CREATOR

1 Optimization of Engine control parameters

PROJECT GOAL AI integration of wisdom of combustion engine toward EV era

- Injection Quantity
- Rotation Freq
- Fuel Injection
- Injection Time
- Rail Pressure
- Throttle Aperture
- EGR rate

AI MODEL

- Axial Torque
- Smoke Density
- Fuel Consume rate
- Mass Emission (CO, NOx)

BUSINESS EXTENTION Tuning / Adaption of black-box system with uncertain inside status

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IMAGING SOLUTION

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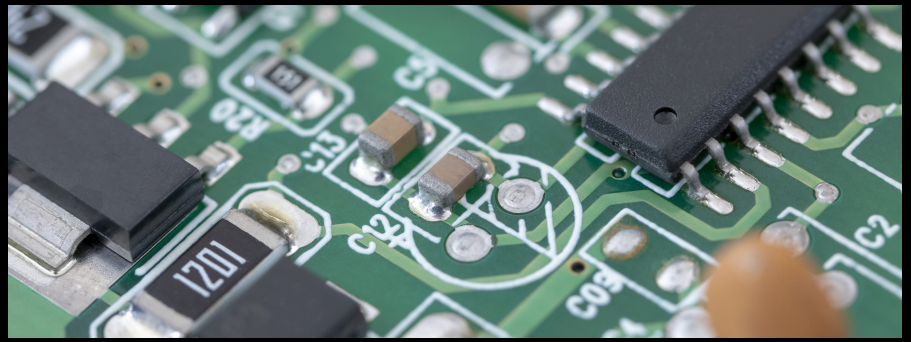
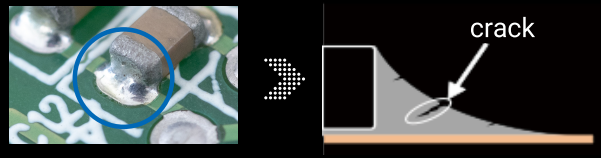
2 Degradation Recognition of Printed Circuit Board

PROJECT GOAL

Cost reduction by detecting soldering degradation





BUSINESS EXTENTION

Product visual test in manufacturing processes

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IMAGING SOLUTION

3 Automatic product recognition for unmanned shop

PROJECT GOAL Product recognition for retail store cash register

BUSINESS EXTENTION Identification of kind of goods / product from shape / pattern / letter / material

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PREDICTION SOLUTION

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4 Prediction AI based Energy Management System (EMS)

PROJECT GOAL

Demand / Supply matching utilizing prediction technology

BUSINESS EXTENTION

Domains that require demand and supply optimization such as farming product logistics

AI VALUE CREATOR

Team AIBOD Specializes in Machine Learning
& Artificial Intelligence