



AI Powered Production

Project idea title

Online Eureka Clusters AI Call 2021 Brokerage event

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Project idea description

- The Idea is creation of AI powered production system working as if operators are in the shop floor.
- Machines only execute basic tasks and automation is not intelligent.
- Besides, human operators or smart cameras can take false decisions. The challenge use AI to take accurate decisions than human operators with quick response and improve production simultaneously.
- Continual improvement process ; AI will identify the anomaly, execute the solution and re-configure the production in real time. Moreover AI will train itself continuously and adapt to changes over time.



Key selling points

Benefits;

- Use of AI as human operator can help manufacturers as speeds, latency and costs.
- AI can empower manufacturing at real time simultaneously configure production to prevent waste parts and energy consumption by maximizing efficiency.

Business impact

- Manufacturing is everywhere: in health, transport and energy. Self-learn AI system will be usable in several industry cases and can be tailored to meet the demands.
- Basic standard gauges and methods for quality assurance are out-dated, most of the quality assurance for components is carried out by the audit process. AI-based system will be proactive, use of AI as human inspector and re-configuration of manufacturing parameters will be done in real time.
- AI must be inclusive and generate benefits for manufacturing processes, empower manufacturing to continue to be the backbone of the global economy.

Partners & expertise

- Partners involved

Company	Country
TeknoTAM	Turkey
Polytechnic of Portugal ISEP (Institute of Engineering)	Portugal
BEIA Austria	Austria
TÜPRAŞ	Turkey
iDavinci Imagina SL	Spain
Cellumation GmbH	Germany
Enverse	Singapore

- Missing partners / expertise

- Use case providers such as factories, manufacturing companies
- AI focus companies
- Any country

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