Industrial Technology

CATEGORY INFORMATION

Category Description

Recognises technology-led solutions that build, advance or significantly enhance industrial technology, delivering measurable improvements in productivity, safety, sustainability or performance.

This category focuses on engineering-led, applied technologies designed for use in real-world industrial environments, including manufacturing, resources, energy, construction, logistics, health technologies, agriculture and other operational settings.

What Fits This Category (Examples)

Example technology and digital innovation solutions include (but are not limited to):
- Industrial automation, control or robotics systems;
- Operational technology (OT) and industrial IoT solutions;
- Advanced manufacturing or production technologies;
- Digital twins, simulation or modelling for industrial environments;
- Industrial data platforms, analytics or optimisation systems;
- Medical and health technologies (MedTech) focused on devices, diagnostics, monitoring systems or clinical technologies;
- Agricultural and food production technologies (AgriTech) such as precision agriculture, farm automation, sensing, monitoring or optimisation systems;
- Engineering-led solutions integrating digital, physical and operational systems;
- Technologies improving safety, reliability or operational performance.

Eligibility & Context

Entries may be led by industry, start-ups, scale-ups, research organisations or partnerships, where the primary focus is the development or advancement of industrial technology, rather than the application of generic IT in an industrial setting.

Solutions may be implemented, piloted or in advanced stages of development, provided there is:
- evidence of application in an operational environment, or
- a clear and credible pathway to deployment and use in real-world industrial contexts.

JUDGING CRITERIA

1. The Industrial Problem & Opportunity

How clearly is the industrial problem or opportunity defined, and why is it significant?

This criterion will be judged on:
- clarity and relevance of the industrial challenge being addressed,
- understanding of the operational environment and constraints,
- and the value created by addressing this challenge through industrial technology.

2.   Engineering & Technical Excellence

How strong is the engineering and technical quality of the solution?

This criterion will be judged on:
- the technical and engineering approach underpinning the solution,
- robustness, reliability and suitability for industrial or operational environments,
- quality of system design, architecture or integration, and
- whether the technology advances industrial capability rather than simply deploying existing tools.

3.   Application, Scalability & Impact

How well does the solution perform in real-world industrial contexts, and what impact can it deliver?

This criterion will be judged on:
- evidence of application, testing, piloting or operational use,
- scalability and relevance to Industry 4.0–type settings, where appropriate to the intended industrial context,
- and improvements achieved or expected in productivity, safety, sustainability, efficiency or performance.

4.   Innovation & Differentiation

To what extent does the solution represent a meaningful innovation in industrial technology?

This criterion will be judged on:
- originality of the approach compared to existing industrial technologies,
- differentiation beyond the implementation of off-the-shelf tools,
- and the extent to which the solution advances industrial technology capability.