



Industrial challenges are called in any of the main topical areas IECON 2025 program will cover, namely:

- **Green Tech:** Renewable Energy, Transportation Electrification, Smart Grid, Microgrids, Energy Storage, Resilience and (Cyber-)Security of Energy Systems.
- **AI & Industry:** Industrial Cyber-Physical Systems, Industrial IoT, Intelligent Manufacturing, Human-Machine Interaction, Smart Cities and Buildings, Deep Learning Applications in Industry
- **Control, Robotics, and Mechatronics:** Intelligent Control Systems, Data-Driven Control, Motion Control, Human-Centric Medicine, Assistive Robotics
- **Enabling Technologies:** Embedded Systems, Cloud and Edge Systems, Industrial Communications, Sensors and Actuators, Industrial Electronics Education

Each participating **company will define the specific goals** of its challenge, as well as the **profile of the target student teams** (bachelor, master, PhD).

Competitions are intended to run for the period **January – October 2025**, will the **final contest occurring during IECON 2025**. The **company will actively collaborate** with the IECON 2025 Industrial Activities Committee in the **evaluation** of the solutions proposed by the participating teams at different stages, as defined in the timeline below.

If required by the characteristics of the challenge, the company **may provide specific resources** (e.g., development boards, software, robot kits, battery packs) to the participating teams **after a first selection** of the proposed solutions.

The company will **give the winning team an award**, in a form to be defined, including but not limited to:

- Cash award
- Donation of material
- Short internship with the company

IECON will provide participating companies with dedicated time slots in meeting rooms to organize **recruiting activities**, open through public dissemination if desired to all interested candidates, not necessarily just to participating teams.

Participating companies will be offered **special rates** to take part in the **Industrial Exhibition** and the **Sponsoring Program**.

Initial Timeline (deadlines may be flexible per company request):

- Submission of challenge proposals: November 15, 2024
- Evaluation of challenges by IECON Industrial Activities Committee: November 30, 2024
- Registration of participating teams: December 31, 2024



- Submission of initial solution proposals: February 28, 2025
- Evaluation of initial solution proposals and first selection of teams: March 31, 2025
- Submission of intermediate solution proposals by selected teams: June 30, 2025
- Evaluation of intermediate proposals and selection of teams for the final contest: July 31, 2025
- Registration of teams for the final contest: September 15, 2025
- Final contest and winners selection: October 14-16, 2025, during IECON 2025
- Award ceremony: October 16, 2025 during IECON banquet.

Proposal content

- Problem statement and specific goals
- Figures of merit for evaluation
- If applicable, specific materials to be used and whether or not the company will be providing (some of) them to selected teams.

Submit proposals to industry@iecon2025.org