MEA
ENERGY
INNOVATION
HUB

# MEA Energy Innovation Hackathon

Barrabés

مجمع الشارقة للبحوث
والتكنولوجيا والابتكار
Sharjah Research Technology
and Innovation Park

**MEA Energy Innovation Virtual Hackathon** is an initiative within the MEA Energy Innovation Hub that challenges <u>university students and teachers from around the world</u> to <u>identify and co-create innovative solutions</u> that provide a multidisciplinary and socially beneficial response to the most immediate <u>energy challenges</u>.

## <u>CHALLENGE:</u>

**Our current accelerating pace of growth and energy demand are <u>not sustainable</u> at all. To sustain our progress we must evolve to a more <u>smart, efficient and sustainable forms of energy</u>.**
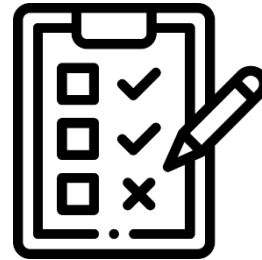
**If you have innovative ideas to solve major energy industry challenges in any of the following 6 categories, this is your opportunity!:**

1. **Decarbonization**: Ideas to reduce the carbon dioxide emissions through the use of innovative technologies such as biogas, biofuels, e-fuels (e.g. green hydrogen), carbon capture and storage among others.
2. **Renewable / Clean energies:** Innovative technological proposals for renewable energies such as solar, wind, hydro, tidal, geothermal and biomass, among others.
3. **Energy efficiency:** Ideas based on cutting-edge technologies such as the Internet of Things, Artificial Intelligence, Big data or blockchain, among others to maximize the use of energy at a lower cost and with a lower carbon footprint.
4. **Energy storage:** Innovative proposals based on storage options with batteries, thermal systems, mechanical systems or any other emerging technologies so energy can be available to meet demand whenever needed.
5. **Sustainable mobility:** Technology-based ideas for a green, smart and affordable mobility such as zero-emission vehicles, zero emission infrastructures, greening freight transport or connected and automated multimodal mobility among others.
6. **Circular economy:** Proposals related to the circular economy of energy production, industrial symbiosis, municipal-level cooperation or customer interface among others.

## Registration of the ideas

Global university students and teachers, individually or by teams, can register their **ideas on the platform**

## Evaluation and communication

**Screening** of applications and **communication** of the final selected participants

## Hackathon

The best 15 ideas owners/teams will compete on a **48-hour virtual event** to prototype the business model of their ideas and present their results in a final pitching session

*Tentative dates*

*From March 29 to May 6*

*May 16*

*May 25-26*

The **best 3 ideas** between the 15 selected to participate in the hackathon will be awarded with a prize of **$5,000**, **$3,000** and **$2,000** as determined by the program's jury.

All hackathon participants will receive the following **benefits**:

- Be part of the <u>SRTIP ecosystem</u>
- Participation in the <u>incubation program</u> that will be held on July
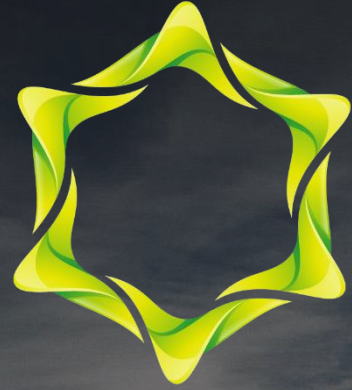- Participation as <u>speaker</u> in one of our monthly <u>events</u>

# Be part of this global hackathon spreading the initiative among your students and teachers

**https://energyhubmea.com/hackathon**

*Hacking it! 48h to create solutions for the main challenges of the energy industry.*

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