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EXHIBITION & CONFERENCE

FIERA MILANO | ITALY | 5 - 8 SEPTEMBER 2022



Start-up Zone

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Gastech Start-up Zone

According to the IEA, the transition to net-zero emissions requires a radical change in both the direction and scale of energy innovation. To deliver such accelerated innovation, a robust start-up ecosystem needs to be nurtured. To scale these innovations sufficiently to address the challenges facing the energy system, corporate-start-up partnerships are essential. In Milan, dmg events has partnered with the following organisations to bring the first-ever Start-up Zone to the Gastech 2022 exhibition floor:

- ICE, the Italian Trade Agency, which supports development of Italian companies abroad and promotes foreign direct investment in Italy.
- Joule, Eni School of Entrepreneurship, which supports the growth of Italian start-ups,

with a particular focus on decarbonisation, sustainability and the circular economy.

- Assorisorse, the Italian Sustainable Energy & Resources Industry Association, which represents companies, operators, investors and analysts from across the energy value chain that are committed to enhancing natural resources and skills through technological innovation, carbon neutrality and the circular economy.

Through the support of these organisations, the Start-up Zone brings some of Italy's most promising energy entrepreneurs to Gastech, providing a unique platform to showcase to the world's greatest gathering of energy technologists, the Italian companies developing the next generation of energy transition solutions.



38,000+

Visitors

4,000+

Conference delegates

60+

Countries represented

300+

Expert speakers

750+

Exhibiting companies from across the energy value chain

13

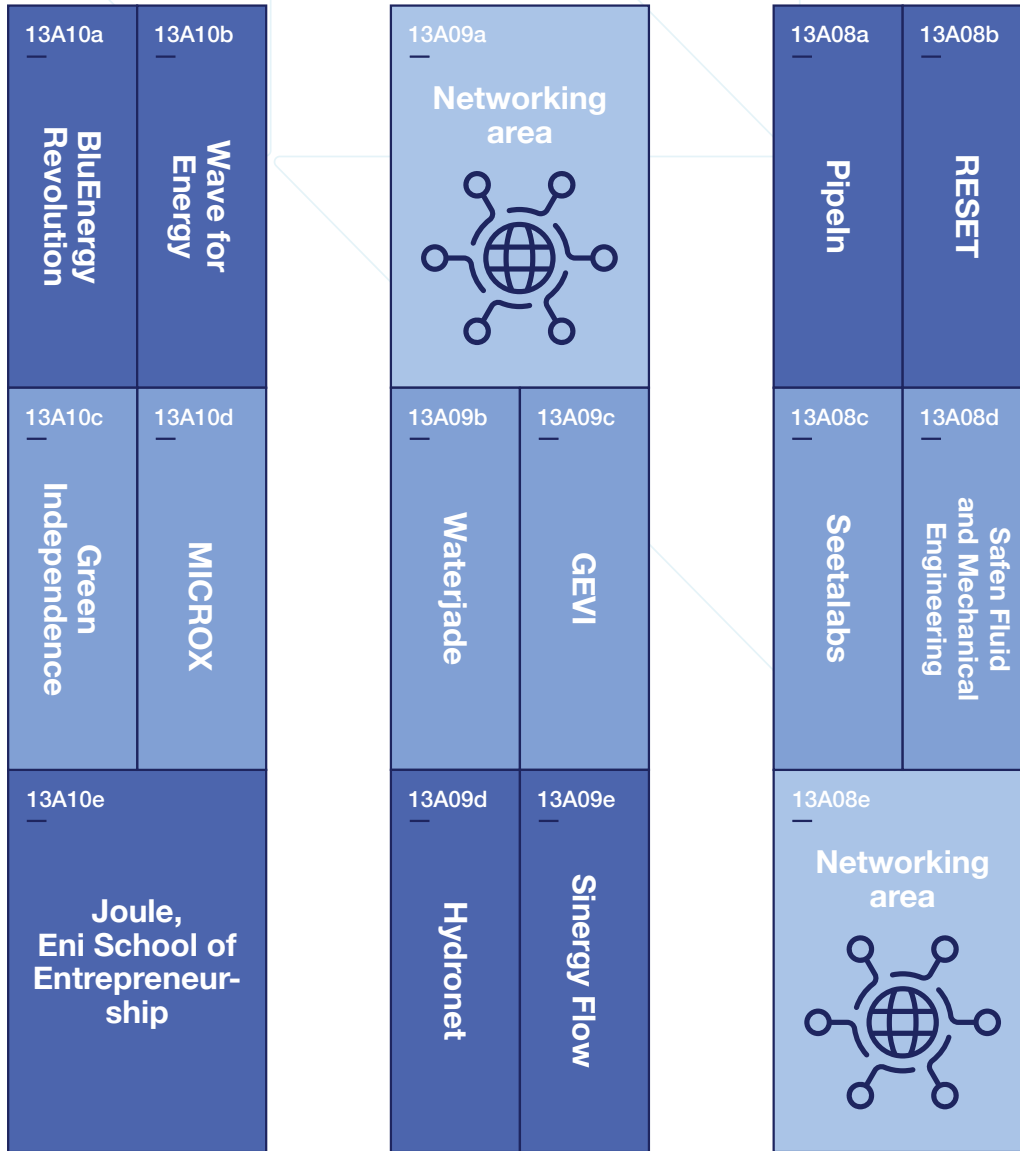
International country pavilions

120

CEOs and business leaders speaking

Start-up Zone floorplan

Meet the next generation of Italian innovators and disruptors in our Start-up Zone, situated in Hall 13.



“Stronger policies need to be implemented to put global gas demand on a path in-line with reaching net zero emissions by 2050 while still fostering economic prosperity.”

Keisuke Sadamori
 Director of Energy Markets and Security
 International Energy Agency (IEA)

Start-up Zone exhibitors



Stand: 13A10a

BluEnergy Revolution

Started in 2015 as a spin-off of the University of Genoa, BluEnergy Revolution designs, sets up and tests innovative solutions for the production, storage and transformation of zero-emission energy.

BluEnergy Revolution, Via San Vincenzo 34, 16121 Genova
bluenergyrevolution.com



Stand: 13A09c

GEVI

GEVI is a start-up based in Pisa developing and commercialising intelligent wind turbines, using flexible hardware and AI software self-specialising in multiple places and wind conditions. GEVI is promoting a new paradigm of distributed energy generation systems, as a ready solution to the biggest problem of renewable resources: discontinuity. The company's long-term goal is to accelerate the ecological transition by quickly replacing fossil fuels with renewable resources.

GEVI, Piazza Nilde Iotti 13, 56025 Pontedera
geviwind.it



Stand: 13A10c

Green Independence

Green Independence is working to produce green hydrogen in a decentralized and independent way, with the aim of accelerating the energy transition by converting existing industrial infrastructure such as roads, railways, ports and buildings to zero-emissions. New Artificial Leaf technology efficiently stores solar energy by directly transforming wastewater into Green Hydrogen and can also recycle and convert industrial waste products like CO₂ into solar fuels or other valuable products.

Green Independence, Piazza del Popolo 1, 72100 Brindisi
greenindependence.eu



Stand: 13A09d

Hydronet

Hydronet is bringing the Internet underwater. It is developing a software defined and AI-driven technology to enable underwater sensing systems and networks. The technology can provide higher flexibility and faster data rates than anything existing on the market today. It can also enable complex sensing, data collection, data analytics applications powered by machine learning and edge computing applications. Hydronet provides a platform technology enabling underwater WiFi and mesh networks, the ability to stream video and other data, and the ability to develop complex distributed processing applications.

hydronet.tech

Start-up Zone exhibitors

Stand: 13A10e



Joule, Eni School of Entrepreneurship

Joule, Eni School of Entrepreneurship, supports the growth of innovative start-ups with a strong impact on decarbonisation, sustainability and the circular economy, through its two tracks – Human Knowledge, dedicated to training a new generation of entrepreneurs, and Energizer, with its programmes for start-up acceleration and incubation.

Joule, la Scuola di Eni per l'Impresa, Via del Commercio 9-11, 00154 Roma
eni.com/it-IT/trasformazione/joule.html

Stand: 13A10d



MICROX

MICROX is an innovative start-up developing microfluidic lab on chip (LOC) technologies for use in applications for the environmental and energy sectors. LOC microfluidic technologies are based on the construction of reliable, accurate and portable microdevices that permit analysis and measurement of chemical, biological and environmental parameters at a micro-scale. These low cost, high speed microdevices developed by Microx are embedded with a microchip, allowing the digitization of all data and information acquired through the microdevice itself. Currently Microx is engaged in prototype development of a microdevice engineered to perform analysis and measurement of toxic substances in water which are harmful to the environment and human health.

MICROX, Piazza Manifattura 1, 36068 Rovereto
microxtechnologies.eu

Stand: 13A08a



PipeIn

PipeIn develops an innovative hardware and software solution for pipeline predictive maintenance, such as penstocks and hydrogen transportation networks, and introduces a new concept of maintenance crossing different markets. This switch reduces the risk of failure by up to 14% and increases pipeline life by up to 20%. The PipeIn solution includes two different parts – a hardware device to collect data from within the pipelines (Shark8), and software with predictive models to analyse data and deliver a final report to customers.

PipeIn, Via Giuseppe Giacosa 38, 10125 Torino
pipein.it

Start-up Zone exhibitors



Stand: 13A08b

RESET

RESET is an engineering and manufacturing company headquartered in Rieti, Italy, focusing on renewable energy and the circular economy. It has developed SyngaSmart technology, an original biomass gasification system integrated with electrical and thermal energy generators in a compact, highly automated plant, designed for small-medium sized companies and communities. SyngaSmart is a carbon-negative technology capable of delivering bioenergy while sequestering carbon. Its use represents both an alternative to fossil fuels and to traditional biomass and organic residue disposal practices. In fact, SyngaSmart allows the generation of renewable energy using locally available agroforestry residues and organic waste, thus reducing costs and environmental impacts due to transport and landfilling.

RESET, Via Maestri del Lavoro 15/17, 02100 Rieti
reset-energy.com



Stand: 13A08d

Safen Fluid and Mechanical Engineering

Safen develops IIoT energy saving solutions for industrial compressed air systems. With a mix of patented hardware and a digital platform, the company addresses several pain points, including reduction of electricity consumption and CO₂ emissions. Its latest launch, CM Smart, is a 4.0 monitoring system equipped with AI algorithms which automatically identify compressed air leaks, consumption anomalies, humidity, pressure parameters and filter status, helping customers to regain full control of compressed air and reduce production downtime and maintenance costs. Pick&Save, Blower 4.0, CY4.0 are other Safen patented hardware solutions that allow from 60% to 95% of compressed air savings.

Safen Fluid and Mechanical Engineering, Via Pavia 68, 10098 Rivoli
safen.it



Stand: 13A08c

SEETALABS

SEETALABS is reinventing predictive maintenance through an ethical, legal, and robust tool to interpret the condition of power transformers using AI. It applies the power of big data, cognitive computing, and AI in its core product, the RONIN AI Platform®. The RONIN AI Platform® uses proprietary technologies to add context to data and incorporates self-learning capabilities to deliver turnkey solutions to major global corporations in the power, energy, metal manufacturing, insurance and transportation industries.

SEETALABS, Via Ottavio Revel 6, 10121 Torino
seetalabs.com

Start-up Zone exhibitors



Stand: 13A09e

Sinergy Flow

Sinergy Flow is a deeptech start-up based in Milan. It is developing a redox flow battery based on earth-abundant and low-cost material which is fully compliant with circular economy principles. It is modular and scalable technology with a customisable energy-to-power ratio, suitable for long-duration energy storage, greater than 10 hours.

Sinergy Flow, Piazzale Luigi Cadorna 4, 20123 Milano
sinergyflow.com



Stand: 13A09b

Waterjade

Waterjade monitors water resources at basin scale and provides water inflow forecasts for industrial use. It combines the latest hydrological models with artificial intelligence techniques and processes big data from different sources, such as in-situ sensors, satellite images and weather forecasts. The physically-based model separates various hydrological processes e.g. snow and ice ablation, evapotranspiration, infiltration, and computes water time in the basin. Thus, it is possible to predict water availability in a given river section or reservoir.

Waterjade, Viale Dante 300/I, 38057 Pergine Valsugana
waterjade.com



Stand: 13A10b

Wave for Energy

A spin-off of the Politecnico di Torino, Wave for Energy is a leader in the design and construction of systems for the production of electricity from sea waves. The first proprietary application ISWEC, Inertial Sea Wave Energy Converter, is a floating device that converts the energy present in sea waves into electrical energy.

Wave for Energy, Via Paolo Borsellino 38/16, 10138 Torino
waveforenergy.com



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