

ENTERPRISE EUROPE NETWORK: tecnologie per l'efficienza energetica e i servizi di supporto alle PMI

Ufficio Servizi per le Imprese
Direzione Sviluppo e Gestione Prodotti e Servizi

Milano, 25 maggio 2023

Enterprise Europe Network – EEN: 15 anni di attività

#EENis15

- EEN è stata costituita nel 2008 dalla Commissione europea ed è finanziata dal **Single Market Programme**
- EEN è la **più grande rete mondiale** di supporto all'innovazione, internazionalizzazione e competitività delle PMI
- EEN è presente in Lombardia e in Emilia-Romagna tramite il Consorzio SIMPLER, coordinato da Finlombarda SpA



Enterprise Europe Network – EEN: mappa della presenza

EEN è presente in circa 50 paesi con oltre 600 punti di contatto con più di 3000 esperti

Dal 2008:

- 2,9 milioni di PMI assistite da EEN
- 280.000 PMI hanno avuto oltre 280.000 incontri B2B in eventi di brokeraggio
- 475.000 PMI hanno utilizzato servizi di consulenza personalizzata
- 20.000 PMI sono state aiutate a portare le loro innovazioni sul mercato



Enterprise Europe Network – EEN: tema Energia

Sector

 Aerospace & Defence	 Agri-food	 Construction	 Cultural & Creative Ind.
 Digital	 Electronics	 Energy-Intensive Ind.	 Health
 Maritime Industries	 Mobility, Transport	 Proximity & Social Econ.	 Renewable energy
 Retail	 Textiles	 Tourism	

EEN – SIMPLER: servizi offerti

Supporto gratuito alle imprese relativo a:

Informazione/formazione

Analisi e monitoraggio delle prestazioni aziendali

Innovazione e accesso a nuove tecnologie

Ricerca di partner esteri

Accesso a bandi e finanziamenti

EEN – SIMPLER: servizi di informazione / formazione - webinar

www.openinnovation.regione.lombardia.it/it/eventi/open-webinar-terzo-ciclo

📅 8 giugno 2023

I criteri ESG come
strumento per la
sostenibilità delle supply
chain

EEN – SIMPLER: servizi di informazione / formazione - corsi

**Corso di formazione:
Gli elementi chiave di un'impresa digitalizzata e sostenibile**

ENERGIA e
Fabbrica green

PRODUZIONE
RESPONSABILE

MANIFATTURA
ADDITIVA e GREEN

EEN – SIMPLER: Analisi e monitoraggio delle prestazioni aziendali

Obiettivi:

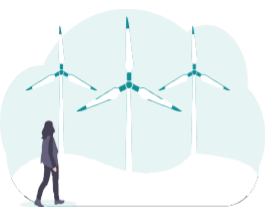
Aumentare l'efficienza energetica, con autodiagnosi energetica basata sul tool ATENA4SME

Migliorare la sostenibilità aziendale, tramite strumenti di assessment della sostenibilità e di rating ESG

Definire action plan personalizzati con analisi criticità e individuazione delle possibili azioni per il miglioramento



EEN – SIMPLER: Dettaglio modulo energia del rating ESG



Energia

Il modulo valuta la gestione degli involucri edilizi e dei consumi energetici (elettrici e non) da parte dell'azienda, concentrandosi sia sull'utilizzo di fonti rinnovabili che sul risparmio energetico.



8/100

Categoria: E

Tematiche: 4

Domande: 18

Compliance: 80

7

CRITICITA' E RISCHI

5

MIGLIORAMENTI ATTUABILI

4

CRITERI SODDISFATTI

CRITICITA' #4.17.1

La vostra azienda non ha effettuato, negli ultimi 5 anni, interventi di miglioramento di efficienza energetica sul sistema edificio-impianto.

Potete migliorare iniziando a mettere in atto interventi relativi a: termostati, coibentazione muri, cappotto, pannelli radianti, serramenti, muri perimetrali, sistemi HVAC o di climatizzazione, pannelli solari FV/termici.

E

- Energia
- Ambiente

- Rifiuti
- Mobilità

S

- Etica professionale
- Responsabilità sociale

- Salute e sicurezza

G

- Trasparenza
- Economia

- Innovazione
- Prodotti



EEN – SIMPLER: Innovazione e accesso a nuove tecnologie

Catalogo di tecnologie innovative per l'efficienza energetica

presentazione durante EUSEW

Brussels, 20-22 giugno 2023



EEN – SIMPLER: Innovazione e accesso a nuove tecnologie

Catalogo di tecnologie innovative per l'efficienza energetica

Esempi di soluzioni per l'edilizia / smart cities

Soluzione tecnologica	Obiettivo / caratteristiche
IoT platform for street lighting & smart cities	Energy & operational efficiency of street lighting and buildings
Smart city light based on motion detection by radar	Reduction of light pollution and increased energy efficiency
Total solar roof solution for built environment	Clean electricity generation with attractive RoI
Intelligent charging for e-mobility in residential blocks	Use of solar and blockchain technology
Air curtains that create invisible doors	Energy saving: heat or cold are kept inside buildings
Custom integrated solar facade system	Positive Return on Investment
Energy efficiency solution for buildings	Reducing energy for heating

EEN – SIMPLER: Innovazione e accesso a nuove tecnologie

Catalogo di tecnologie innovative per l'efficienza energetica

Esempi di soluzioni per l'utilizzo di fonti rinnovabili di energia:

Soluzione tecnologica	Obiettivo / caratteristiche
Use of renewable energy sources use in self-consumption mode	System that maximizes the use of renewable source generators
Innovative hydro-electric micro-turbine for rivers and canals	Green source of energy with near zero environmental impact
Hybrid modular streetlight serving as a charging point	Use of sun and wind, 10kWh storage and no grid connection
Foldable solar power plant for clean energy production	Use of industrial and traffic areas without restriction
Portable solar power for emergency situation	Plug&play deployable system for areas with no access to grid
Sustainable Osmotic Energy from freshwater and seawater	Mixing of salt and fresh water to generate electricity

EEN – SIMPLER: Innovazione e accesso a nuove tecnologie

Catalogo di tecnologie innovative per l'efficienza energetica

Esempi di soluzioni per applicazioni industriali / mobilità:

Soluzione tecnologica	Obiettivo / caratteristiche
Active flue gas condensation with Absorption Heat Pumps	Increase of biomass district heating systems efficiency
3D manufacturing technology for mass production	Unlocking resource efficiency and design freedom
Innovative method of combustion of oxy-hydrogen gas mixture	Recycling of old dust particular filters and catalytic converters
Battery energy storage systems gives li-ion batteries a second life	Use of batteries at the end of their life in an electric vehicle
Conversion of conventional cars in hybrid solar vehicles	Reducing fuel consumption and emissions
Energy storage solutions through thermal energy storage	Decarbonization of industrial processes
High efficiency heat exchanger technology	Waste heat energy recycling from waste water

EEN – SIMPLER: Innovazione e accesso a nuove tecnologie

Database EEN: profili di ricerca e offerta di collaborazioni tecnologiche e commerciali

<https://een.ec.europa.eu/partnering-opportunities>

Ricerca avanzata per:

Tipologia dei profili	Modalità di collaborazione	Altre keywords
<ul style="list-style-type: none">• Business Offer• Business Request• Technology Offer• Technology Request• Research & Development Request	<ul style="list-style-type: none">• Commercial agreement• Outsourcing agreement• Supplier agreement• Investment agreement• Commercial agreement with technical assistance• Research and development cooperation	<ul style="list-style-type: none">• Market keywords• Technology keywords• Nazioni di provenienza• Nazioni a cui si rivolge

EEN – SIMPLER: Innovazione e accesso a nuove tecnologie

Enterprise Europe Network Partnering Opportunities

[Search](#)

Filters

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Order by

Most recent ▼

1 - 10 of 416 profile(s) found

Type of profile (3)

- Business Offer
- Business request
- Technology offer
- Technology request
- Research & Development Request

Type of partner

Type of partnership

Stage of development

- Already on the market
- Available for demonstration
- Concept stage
- Lab tested
- Under development

Technology offer TOLV20230517002

Energy supply using wastewater heat recovery technology

 Latvia published Yesterday

Technology request TRIT20230517015

Promotion of sustainable behaviour among citizens

 Italy published 2 days ago

Technology offer TOLT20230516009

A Lithuanian company is offering EV charging solutions

 Lithuania published 7 days ago

Technology request TRAT20230517003

Urgent! Innovation Challenge: energy provider company looking for partners with solutions in pyrolytic or pyrogenic carbon capture and biochar carbon removal

 Austria published 7 days ago

EEN – SIMPLER: Innovazione e accesso a nuove tecnologie

Esempio di profilo TO

enterprise
europe
network

Partner Opportunity : TOGR20221017003

Enhanced energy management technology from Greece offered for application on the building microgrid

Summary

Profile type

Technology offer

Profile status

PUBLISHED

Company's country

Greece

Type of partnership

Commercial agreement with technical assistance

POD reference

TOGR20221017003

Targeted countries

• **World**

EEN – SIMPLER: Innovazione e accesso a nuove tecnologie

Ref. TOGR20221017003

Short summary

A Greek spin-off has developed an advanced Internet of Things system to optimise the energy management of the home microgrid. It offers commercial co-operation with technical assistance to energy demand response (DR) aggregators and energy suppliers to incorporate the technology in their applications. It also seeks partners who develop IoT devices, smart appliances, and energy management software for technical cooperation agreements to integrate this technology in their products.

Full description

This is a Greek spin-off company with expertise in smart grids, energy management and energy saving in buildings. Its staff have in-depth knowledge and longstanding experience in energy efficiency optimization techniques, renewable energy sources, control algorithms and power converters.

The Greek company has developed an integrated system based on Internet of Things (IoT) and prediction-optimization technologies that provides enhanced energy management in the microgrid of buildings. This is obtained through the proper scheduling of home appliances (programmable and controllable) and the proper utilization of the batteries and the energy generated by home renewable energy sources (RES). In particular, the optimal balance between the energy supply and demand is achieved by considering the potential energy price fluctuations, as well as the home residents' preferences for the use of the appliances. Thus, the goal of the system is twofold: 1) reduction of the electricity bill for the home resident, and 2) useful information for the short-term prediction of the home energy consumption provided to the energy demand response (DR) aggregator and the energy supplier.

Specifically, the system provides the optimal time scheduling of the programmable and controllable appliances, while the optimal exploitation of the home RES and battery energy is achieved by controlling in real-time the optimal energy flow with 3 options: 1) self-consumption within the building, 2) temporary storage in batteries, or 3) injection into the grid.

The system does not require extra hardware and it is based only on the information provided by the energy smart-meter measurement of the building and data for the current electricity price and current weather conditions and forecast. Specifically, it is an integrated energy management software that has been developed utilizing the genetic algorithm technique and in conjunction with several other optimization and prediction methods. It considers the preferences of the home residents taking into account the usage of appliances. By manipulating a high number of control variables and external information, it can provide the optimal scheduling plan of the home appliances and attains optimal exploitation of home RES and batteries.

The company is offering commercial co-operation with technical assistance to energy demand response (DR) aggregators and energy suppliers in order to integrate the energy management system into their applications. It also seeks partners that are involved in developing IoT devices, smart appliances, and energy management software to conclude technical cooperation agreements to integrate this technology in their products.

Advantages and innovations

- This technology has the following important and innovative characteristics that distinguish it from similar existing ones already available on the market:-
- High exploitation of renewable energy sources (RES) and battery energy and automatic scheduling of home appliances' operation, by taking into account a high number of control variables (current and prediction), such as residents' preferences, energy price, weather, house energy demand, battery parameters (state of charge, state of battery life cycle), etc.
 - Reduction of home electricity bills by up to 30-40% depending on the building construction, the residents' habits, etc.
 - Short-term prediction of home energy consumption, which is useful information for demand response (DR) aggregators and energy-suppliers
 - Does not affect the home residents' comfort. It provides the optimal scheduling plan of the home appliances for the following 1-3 days, only as a prompt and without imposing its strict implementation. Thus, the residents could ignore or change it at any time. Then the system will recalculate the information and will give, in real time, the updated optimal scheduling plan.
 - Hardware-less system: it requires only the measurements by the smart meter and external information such as current electricity price, current and weather forecast, information for the battery operating condition, etc.
 - Easy installation in any house type (apartment, detached house, etc.) without needing any construction alterations or additions.
 - Easy manipulation via a simple and functional graphical user interface (GUI).

Expected role of the partner

- The Greek client is looking for:-
- Energy demand response (DR) aggregators and energy suppliers for incorporating this system in their applications.
 - Manufacturers of Internet of Things (IoT) devices and smart appliances, as well as developers of IoT, monitoring and energy management software to integrate this technology in their products.

Type of partnership

Commercial agreement with technical assistance

Type and size of the partner

- **SME 50 - 249**

Technology keywords

- **004006001 - Energy management**

Market keywords

- **06009 - Energy Distribution**
- **06006002 - Metering and monitoring**

Targeted countries

- **World**

Sector groups involved



EEN – SIMPLER: Innovazione e accesso a nuove tecnologie

Esempio di profilo TR

enterprise
europe
network

Partner Opportunity : TRES20230329022

Spanish company is looking for a technology for energy monitoring, to detect peaks and act on to optimize consumption and price

Summary

Profile type

Technology request

Company's country

Spain

POD reference

TRES20230329022

Profile status

PUBLISHED

Type of partnership

**Research and development
cooperation agreement**

**Commercial agreement with
technical assistance**

Targeted countries

• **World**

EEN – SIMPLER: Ricerca di partner esteri- eventi di incontri B2B

Eventi EEN: Brokerage events e Company Missions

<https://een.ec.europa.eu/events>

Events

Filter by

Keywords

Status

Type

Country

Events (8)

Showing results 1 to 8

20-21
JUN

2023

BROKERAGE EVENT

SEANERGY 2023 - Brokerage event for Offshore Wind and Marine Renewable Energy

Paris 75015, France

30-02
MAY-JUN

2023

COMPANY MISSION

Company Mission: World Circular Economy Forum 2023 in Helsinki

Helsinki, Finland

24-25
MAY

2023

BROKERAGE EVENT

INTARG® 2023 Invention & Innovation - International Matchmaking Event

Katowice, Poland

23-31
MAY

2023

BROKERAGE EVENT

Energy Business Meetings at OMC 2023

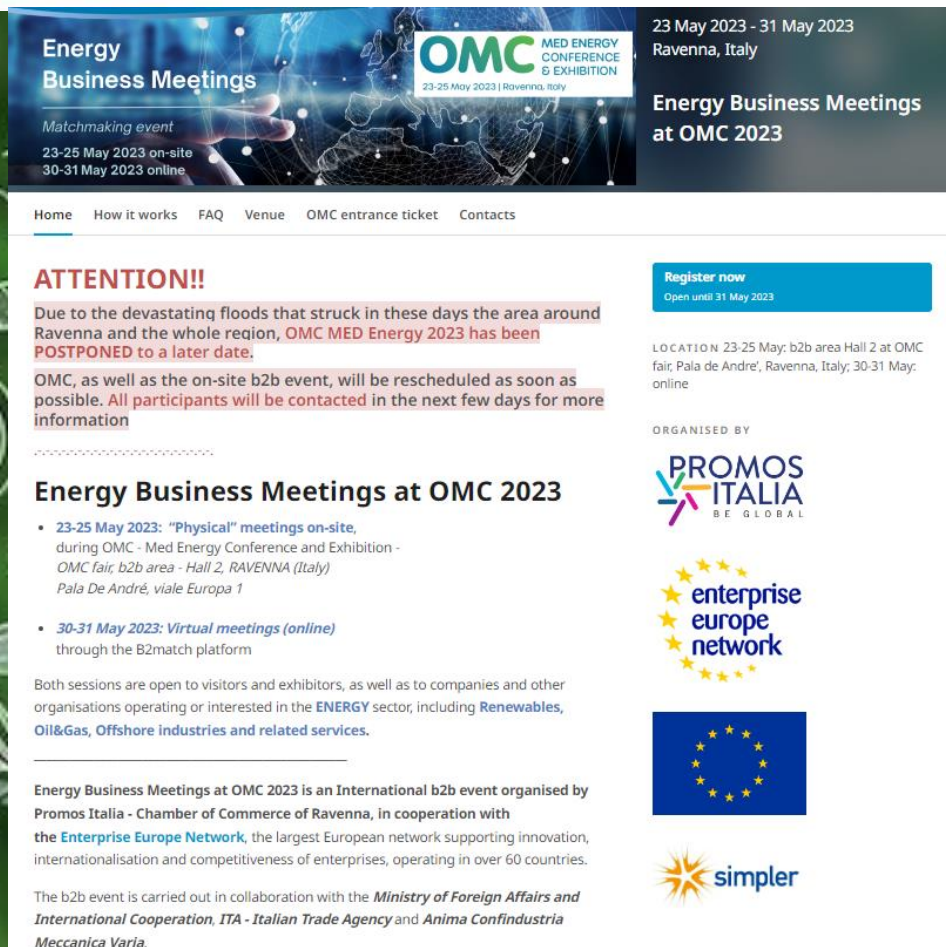
Ravenna, Italy

EEN – SIMPLER: Ricerca di partner esteri – B2B at OMC 2023

Energy Business Meetings at OMC 2023 – Mediterranean Energy Conference & exhibition Ravenna, Italy

data da definirsi

<https://omc2023.b2match.io/>



Energy Business Meetings
Matchmaking event
23-25 May 2023 on-site
30-31 May 2023 online

23 May 2023 - 31 May 2023
Ravenna, Italy

Energy Business Meetings at OMC 2023

Home How it works FAQ Venue OMC entrance ticket Contacts

ATTENTION!!
Due to the devastating floods that struck in these days the area around Ravenna and the whole region, **OMC MED Energy 2023 has been POSTPONED to a later date.**
OMC, as well as the on-site b2b event, will be rescheduled as soon as possible. All participants will be contacted in the next few days for more information


Register now
Open until 31 May 2023

LOCATION 23-25 May: b2b area Hall 2 at OMC fair, Pala de Andre', Ravenna, Italy; 30-31 May: online

ORGANISED BY

PROMOS ITALIA
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enterprise europe network



simpler

Energy Business Meetings at OMC 2023

- 23-25 May 2023: "Physical" meetings on-site, during OMC - Med Energy Conference and Exhibition - OMC fair, b2b area - Hall 2, RAVENNA (Italy)
Pala De Andre', viale Europa 1
- 30-31 May 2023: Virtual meetings (online) through the B2match platform

Both sessions are open to visitors and exhibitors, as well as to companies and other organisations operating or interested in the ENERGY sector, including Renewables, Oil&Gas, Offshore industries and related services.

Energy Business Meetings at OMC 2023 is an International b2b event organised by Promos Italia - Chamber of Commerce of Ravenna, in cooperation with the Enterprise Europe Network, the largest European network supporting innovation, internationalisation and competitiveness of enterprises, operating in over 60 countries.

The b2b event is carried out in collaboration with the Ministry of Foreign Affairs and International Cooperation, ITA - Italian Trade Agency and Anima Confindustria Meccanica Varia.

EEN – SIMPLER: Ricerca di partner esteri - B2B at OMC 2023

Energy Business Meetings at OMC 2023
May 23 - May 31, 2023 | Ravenna, Italy

Home Participants Marketplace Agenda Organisers

Participants

Relevance ▾

PERSON ORGANIZATION

AREAS OF ACTIVITIES

RELATED INDUSTRY SECTORS

- Renewables & Power generation (86)
- Others (62)
- Oil & Gas operators / Exploration & Production (60)
- Automation / Digitalization / IT (53)
- Process equipment / Facilities (49)
- Offshore platforms (44)
- Valves / Actuators / Pumps / Piping (44)
- Electrical products and services (43)
- Marine equipment & Services (41)
- Health / Safety / Environment (HSE) (34)
- Transportation / Logistics (29)
- Drilling and Completions (28)

154 Participants found

Search

- PARTICIPATION TYPES
- ORGANIZATION TYPES
- AREAS OF ACTIVITIES
- COUNTRIES



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EEN – SIMPLER: Accesso a bandi e finanziamenti

Informazioni tramite:
- newsletter mensile

enterprise
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network

SIMPLER NEWS

Bandi e opportunità dalla rete Enterprise Europe Network

Maggio 2023

In questo numero:

Bandi e altre
opportunità
dall'Unione
Europea e
nazionali

- [ELSA Industry Call: finanziamenti per progetti innovativi basati sull'IA - scadenza 31 maggio 2023](#)
- [METASTARS - Open call per progetti innovativi relativi ad Aerospazio & Difesa](#)
- [Call PIMAP4Sustainability per progetti innovativi di PMI in ambito fotonica, materiali avanzati e tecnologie manifatturiere](#)
- [EUROCLUSTER: bandi "cascade funding" per la transizione verde e digitale - Epicentre Eurocluster - scadenza 29 maggio 2023 - xBUILD-EU - scadenza 7 giugno 2023](#)
- [Bando EIT Manufacturing - Scadenza: 19 giugno 2023](#)
- [Servizio gratuito per il miglioramento della sostenibilità delle PMI](#)
- [Ricerche Partner per Bandi Europei](#)

EEN – SIMPLER: Accesso a bandi e finanziamenti

Informazioni tramite: - mailing mirato

Spett.le Società,

Finlombarda segnala che sono aperte **diverse opportunità a livello europeo per PMI e start-up**, a supporto di progetti e iniziative innovative.

È possibile **prenotare un appuntamento con i nostri esperti** per approfondire i bandi in corso o di prossima apertura:

- **BANDI CASCADE FUNDING:**
 - **CirInWater:** progetti per le sfide idriche – scadenza 31 maggio 2023
 - **Open call Newskin** per accelerare l'adozione industriale di "nano-tecnologie di superficie" – scadenza 23 giugno 2023
- **EUROCLUSTER: BANDI CASCADE FUNDING PER LA TRANSIZIONE VERDE E DIGITALE**
 - PMI del settore digitale a cura di **DREAM Eurocluster** – scadenza 25 maggio 2023
 - PMI dei settori digitale, fintech, salute e agroalimentare a cura di **Epicentre Eurocluster** – scadenza 29 maggio 2023
 - **Call PIMAP4Sustainability** per progetti innovativi di PMI in ambito fotonica, materiali avanzati e tecnologie manifatturiere – scadenza 31 maggio 2023
 - PMI agricole a cura di **SUAVE | Urban Agriculture** – scadenza 30 maggio 2023
 - PMI della microelettronica a cura di **Silicon Europe** – scadenza 31 maggio 2023
 - PMI dei settori tessile, edilizia e tecnologie avanzate a cura di **xBUILD-EU** – scadenza 7 giugno 2023
 - PMI dei settori aeronautica, spazio, difesa e ICT a cura di **METASTARS** – scadenza 31 dicembre 2023
- **BANDO EIT MANUFACTURING per progetti di manifattura avanzata per la transizione verde e digitale** – scadenza 19 giugno 2023
- **INNOVATION FUND: 100 milioni di euro per progetti per la neutralità climatica** – scadenza 19 settembre 2023

Al seguente link è possibile scaricare maggiori informazioni relative ai bandi: [Bandi aperti](#)

Per richiedere un appuntamento scrivere a: simpler2@finlombarda.it

EEN – SIMPLER: Accesso a bandi e finanziamenti

Guida ai finanziamenti,
alle agevolazioni e ai servizi per imprese
e professionisti della Lombardia



FINLOMBARDA
FINANZIAMO SVILUPPO

Regione
Lombardia

Agevolazioni finanziarie regionali:

<https://www.finlombarda.it/home>

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