

We promote knowledge and sustainable economic value for mineral resources sector, boosting the export capacity and added value.

ON GOING PROJECTS



MULTISSECTORIAL COOPERATION

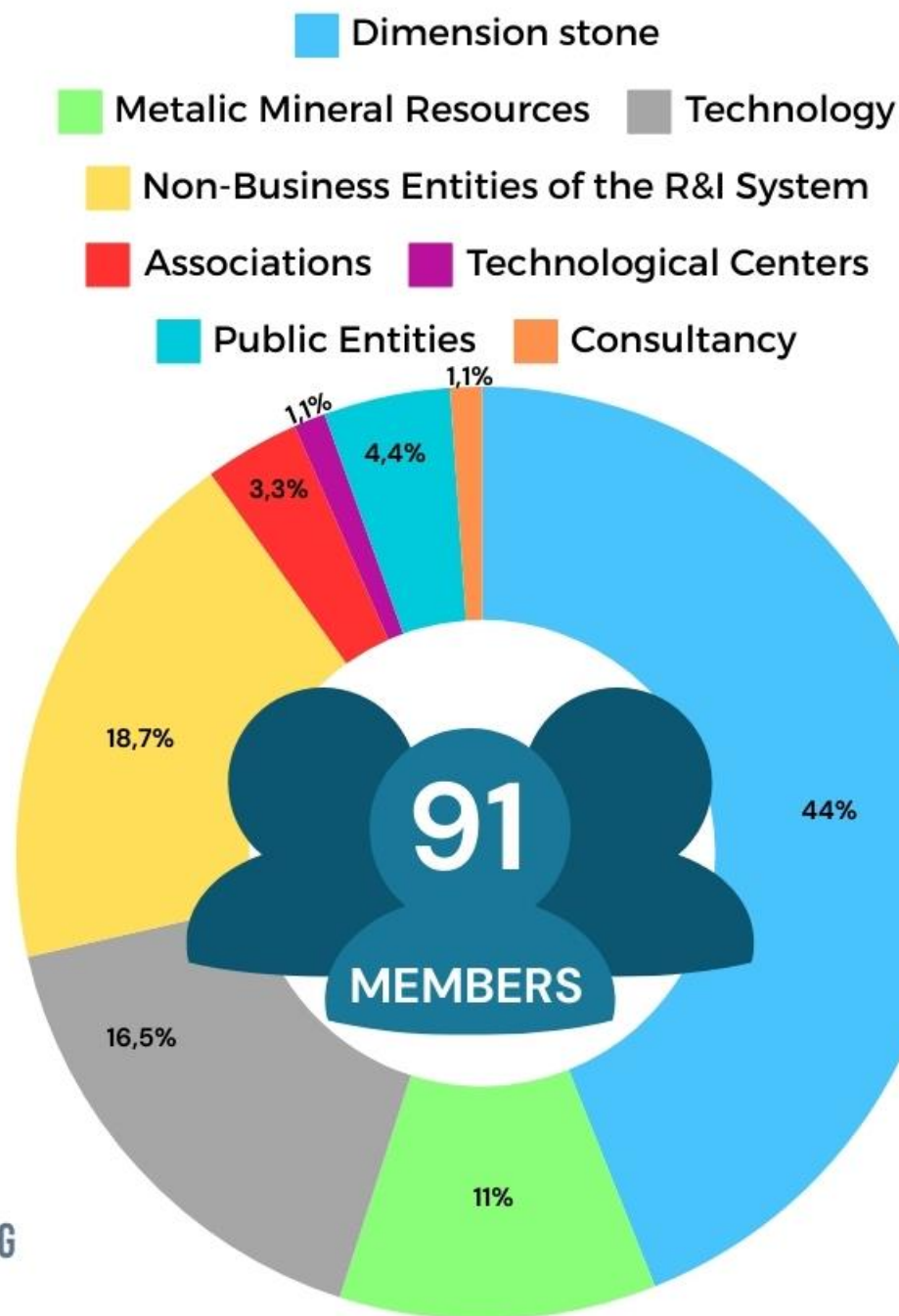
Mineral Resources are the basis
of several industrial value chains



ALLIANCES & PARTNERSHIPS



EUROPEAN
CLUSTERS ALLIANCE



LET'S TALK!

AQM Normandy

Cluster

Name: Association for Quality & Management

Territory: Normandy, France

Created: 2001

Members: 105 including 80% SME

Area of activities

- ✓ Quality
- ✓ Performance (Lean Management)
- ✓ Sustainability, Circular Economy
- ✓ Corporate Social Responsibility (CSR)



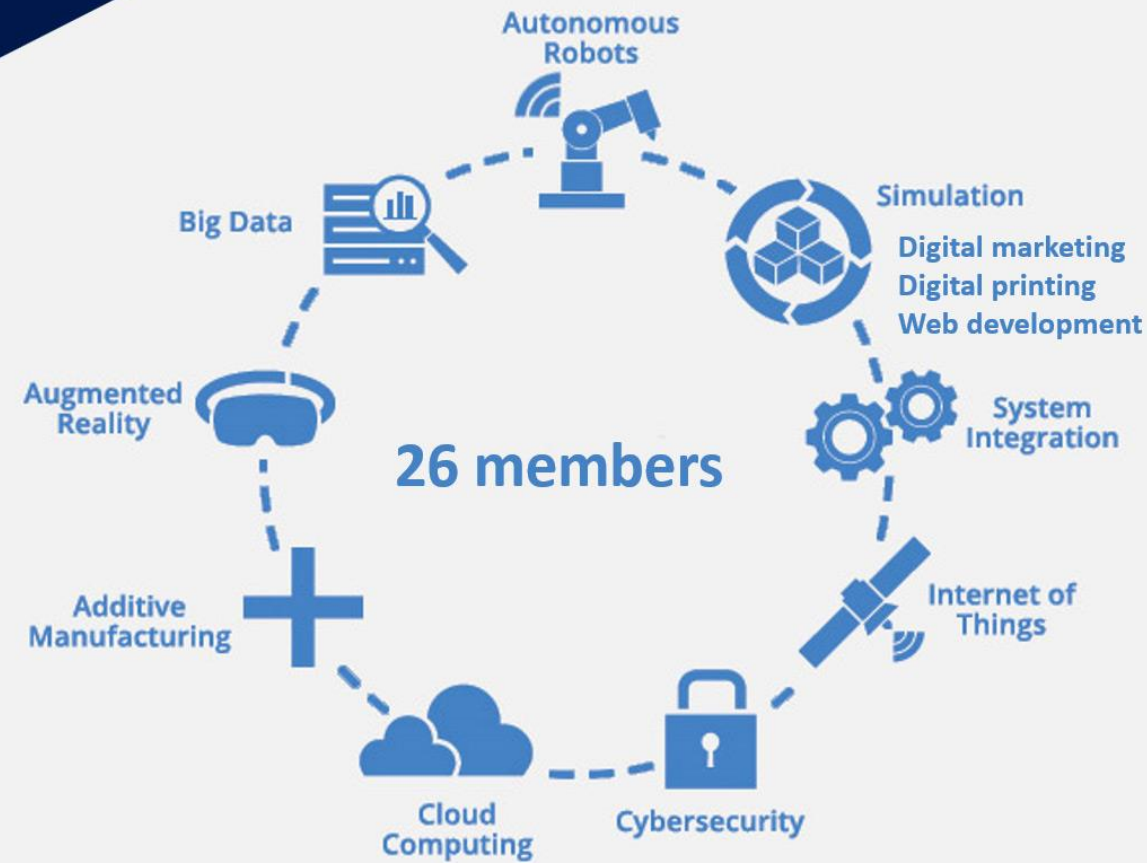
Co-organisation of the [European Congress of Quality](#)

✔ Opportunities

- Inter-cluster project regarding Circular Economy and CSR
- Inter-cluster Best Practices sharing
- Inter-cluster members partnership

Contact: vincent.civita@aqm-normandie.com





Goals

- Support the process of digital transformation of the industry and society;
- Partner with other organizations to exchange experience and find new markets for our member companies;
- Implement projects, related to supporting the application of digital technologies in SMEs;
- Support the development of human capital by improving their digital skills and competences;

Contacts



www.digitalcluster.eu

Descartes Développement et Innovation (France)

Short description:

Descartes Développement & Innovation (DDI) is the Technopole, information, engineering and promotion association of the Sustainable City Cluster at the heart of Cité Descartes, East of the Paris Region, France. DDI facilitates serendipitous connections between academia, institutions and businesses and has established partnerships with corporates to create collaborations that promote seamless networking, experimentation, codevelopment and open innovation. DDI also operates a fablab, an incubator and a French Tech Community as part of its scope of operations.

Sectoral focus: Construction, Mobility, Energy efficiency, Decarbonation

Technology focus: Greentech focus but agnostic

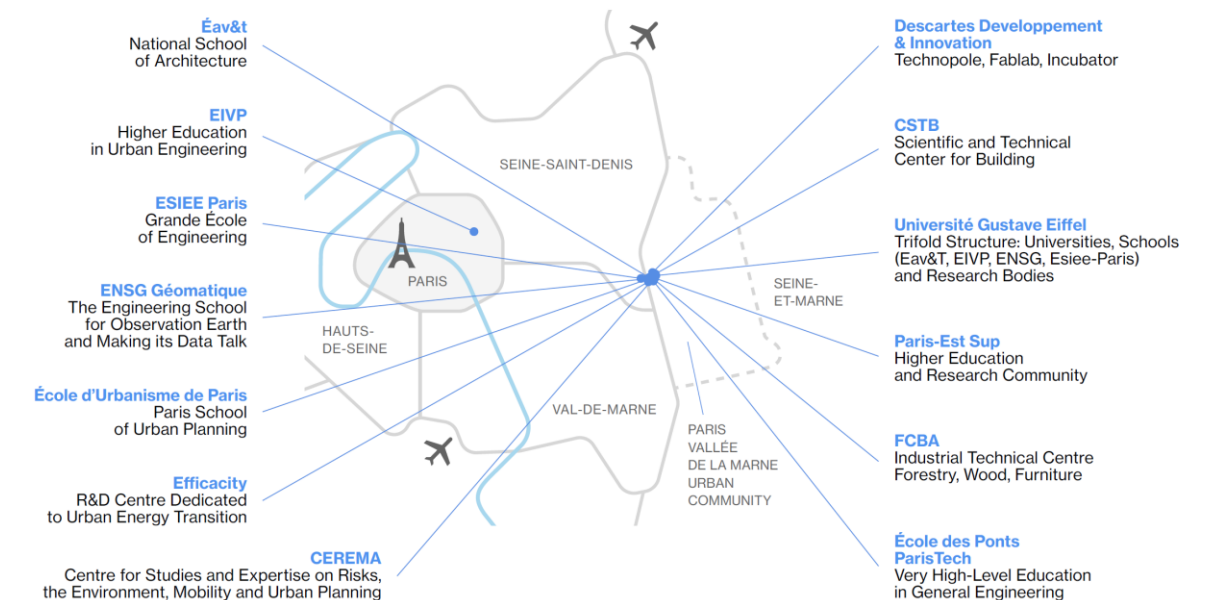
Main support programmes:

- **Climate Launchpad for pre-incubation**, Bootcamp, Coaching sessions
- **Incubation programme**, Office space, Coaching & Mentoring, Support to raise public & private financing, Direct loan at 0%, Workshops to reinforce entrepreneurial competencies, Free access to Fablab, Talent Pool of experts, Soft landing internationally, Network with potential clients (academics, gvt bodies, corporates)
- **French Tech programme** :



Cité Descartes Sustainable Cities Innovation Hub

An Exceptional Living and Working Environment



STEPP Cluster / Hungary

STEPP – Science, Technology and Educational Platform for Photonics, Hungary Cluster

Established: 2014

- Representing the community of the **Hungarian Photonics sector**: SME's, universities, R&D institutions
- Realised innovative projects with European partnership:
- **DIH-World network** – digital innovation hubs for smart manufacturing development
- **EPIX project** - exchanges between smart cities and industrial clusters
- Innovation platform for **Industry 5.0** and sustainable urban actions <http://epix-dih.eu/>

Looking for cooperation: **R&D, investment for technology development**

- Spectral based source apportionment of ambient aerosol
- Characterisation of diesel and gasoline emission for emission-based fuel development
- Optimized catalysts for efficient CO₂ and CO conversion to sustainable e-fuels
- Catalytic green bricks to reduce CO₂ and PM emissions
- Exhaust gas measuring photoacoustic analyser
- eFuel technologies and Energy Innovation Testbed
- Urban Traffic Management System



Strategic partner in Szeged for regional ecosystem development:



Prof. Csaba Janáky
Co-founder and Chairman of the Board
eChemicles Ltd
janaky@chem.u-szeged.hu

Contacts:

Mr. Péter Maróti
Custer Manager
stepp.cluster@gmail.com

Ms. Éva Balogh
Managing Director
balogh.eva@me.com

<http://steppcluster.eu/>

Estonian Cleantech Association

Sectors of operation:

Cleantech, non-profit industry association

Main highlight:

We are a business association representing the interests of cleantech companies in Estonia. Through our work, we aim to increase their success and enhance the overall development of a sustainable economy.

Our interest in Singapore:

Understanding the cleantech and sustainable transition trends in Singapore, meeting local ecosystem actors and building partnerships to facilitate cleantech collaboration between Estonia, the Baltics and Singapore.

Contact:

A. Lauteri 3, Tallinn Estonia
info@cleantechestonia.ee
+372 5303 5003



Founded in 2002
Barcelona, Europe



Formerly known as Railgrup, IN-MOVE was founded in 2002 and is based in Barcelona. It is a Sustainable Mobility and Multimodal Logistics CLuster, with +120 associated companies.

Members include the main OEMs, Public Operators, Private Operators, Engineering, Energy, Consultancy, Railway and Logistics Stakeholders in Spain.

Join IN-MOVE by Railgrup Community and enjoy full access to:

- Selective Networking at Managerial Levels
- Networking Events, Workshops and Techdays
- Specialized Training
- Preferential Access to the Most Important Spanish, European and International Fairs and Congresses in the Railway / Mobility sector
- Up-to-date Market Information and Information about Tenders and EU Projects
- Promotion of Shift2Rail and EU Projects and Access to International Bids
- Open Innovation Scouting
- Access to More than 2.200 Companies within ERCI
- Workgroups on Data Science, Conditioned-Based Maintenance, Smart Mobility, Advanced Materials-Technologies, Interiors, Cybersecurity, Eco-Innovation, Multimodal logistics, etc.



Contact Information



c/ Còrsega 270, 5è - 08008
Barcelona

company/railgrup

@Railgrup

www.railgrup.net

otp@railgrup.net

Our Activities



IN-MOVE has become a benchmark cluster not only in the railway ecosystem but in the mobility and logistics sector in general. It helps its members to improve their competitiveness through innovation, technological excellence, cross-sectorial knowledge, and the development of joint projects.

IN-MOVE is a co-founder of the ERCI (European Railway Clusters Initiative) with an outreach of 16 countries and +2,000 businesses, through which it participates in EXXTRA and STARS EU projects.

IN-MOVE is also partner of the large-scale EU project MODI, launched within the Connected, Cooperative and Automated Mobility (2021-2027 Horizon Europe).

Interest in Singapore market: Establish new B2B, B2C and R&D&I cooperation in Mobility, Logistics (CCAM, PDI) and Energy (H2)



OPENHUB CLUSTER ROMANIA

Size

75 members

- ✓ 73 SMEs & Clusters Partners: IoT, AI, Machine Learning, Digitalization, Maritime, Cultural & Creative Industries
- ✓ 2 R&D and Education Entities

Part of FRIEND CCI Eurocluster & CCI Metacluster

Organization

Based in Galați, Romania

- ✓ Established in 2014, managed by "Asociația OpenHub"
- ✓ Awarded Silver ESCA Certification for excellence in cluster management
- ✓ Based in S-E Romania, near the Black Sea & Danube River, crossroads with Ukraine & Moldova

Specialization

Digital & CCI Industries, focusing on innovative tech solutions and digital transformation

- ✓ Expertise in IoT devices for environmental monitoring, AI-driven solutions for industrial automation, and digitalization in sectors like smart cities and clean energy

R&D Center

- ✓ Focusing on sustainable tech solutions like NZEB (Nearly Zero Energy Building) data centers

Looking for

- ✓ Seeking collaborations in IoT, AI & digitalization to expand into Asian markets
- ✓ Exchanging insights on clean energy, digital transformation, and sustainability
- ✓ R&D partnerships for green tech and smart cities



Scan for contact:



- ❖ **Next Technology Tecnotessile** Società Nazionale di Ricerca r.l. is an Italian research center established in 1972 in **Prato (Tuscany Region)**
- ❖ Shareholders: 40% Ministry of University and Research, 60% textile and machinery-textile industries.
- ❖ 25 employees

Business:

- ❖ R&D in textile, machinery, and material sectors
- ❖ Technological innovation and transfer
- ❖ Project management
- ❖ Testing and validation of products

Technological priorities:

- ❖ Circular Economy
- ❖ Sustainable textile
- ❖ Digital Technologies and Industry 5.0
- ❖ Chemistry and Nanotechnology



Centro Eccellenza Qualità

Our lab.

- ❖ Composite material testing
- ❖ Comfort analysis
- ❖ Chemical and metallographic analyses
- ❖ Chemical and ecotox analyses
- ❖ Physical and mechanical testing
- ❖ Defect and failure analysis



The Tuscany Fashion Cluster

Main Sectors



122 members

- ❖ 95 SMEs
- ❖ 10 Large Companies
- ❖ 4 universities
- ❖ 10 R&D inst. & training centers
- ❖ 3 Federations

Main targets

- ❖ Strengthen the regional technology transfer
- ❖ Support R&D collaborative activities for new sustainable technologies, new products and services.

Main actions

- ❖ SMEs involvement in innovation paths and R&D projects
- ❖ Internationalisation
- ❖ Capacity building
- ❖ Events and contents creation
- ❖ Matchmaking and networking

CONTACTS

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Next Technolgy Tecnotessile S.r.l.

Via del Gelso 13, 59100 Prato (PO), Italy

Lithuanian PV Industrial Technology Cluster

Focus on innovations and niche markets

Since 2008

365 MW capacity
98% production is exported
45 members
92% raw materials is imported



Technology uptake process



SOLISTEK

metsolar

met.

KEMEK

VILNIUS TECH
Vilniaus Gedimino
Technikos universitetas

proTECH

GLASSBEL
INNOVATIVE GLASS SOLUTIONS

FIZINIŲ IR
TECHNOLOGIJŲ MOKSLŲ
CENTRAS

Altechna



ktu
kauno technologijos
universitetas

Anykščių kvarcas
akcinė bendrovė

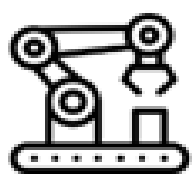
Saulės Energija

rediga

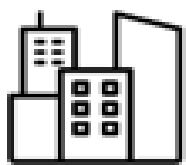
eLaTERMA

PRECIZIKA
METROLOGY

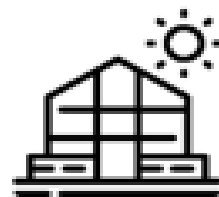
PV is booming in **Lithuania** and **2030 renewables** will power **70%** of many sectors:



Industry 4.0



BIPV



AgriPV



FloatingPV



VehiclePV



SmartCity

Gytis Mikalauskas

Internationalisation manager

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gytis@protechnology.lt

<https://fetek.lt/en/>



FETEK

EUCLUSTERS MATCHMAKING
EVENTS

EUROPEAN CLUSTER
COLLABORATION PLATFORM

European
Commission

SINGAPORE
BUSINESS
FEDERATION
Apex Business Chamber

Enterprise
Singapore

aces
Asia Clean Energy Summit

Polish Cluster of Composite Technologies



Organization

November, 2017

Management Entity: Association of producers and developers of composite products and technologies

120 Members

Achievements:

- Organization of trade fairs and conferences in Krakow
- Polish National Key Cluster
- Study visit to Norway
- Participation in 3 European projects
- 10+ training sessions.
- 3 international contracts signed

Contacts

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E-mail: a.czulak@pctk.pl

Phone: +48 538386699





Southwest Hungarian ENGINEERING CLUSTER



Year of establishment:
2011



Net revenue:
500 M EUR



**47 Cluster
Members**



Number of Employees:
cc 6000

In Singapore we focus on: partners for hydrogen application, electrolyzing technology, international projects, new technologies for our sector

Our achievements:

- ✓ Business network based on trust
- ✓ Experience in EU and national projects
- ✓ Active collaborations , joint procurement
- ✓ Teacher & student scholarship programs



Berta SZABÓ
cluster manager



+36 20 539 3366 |



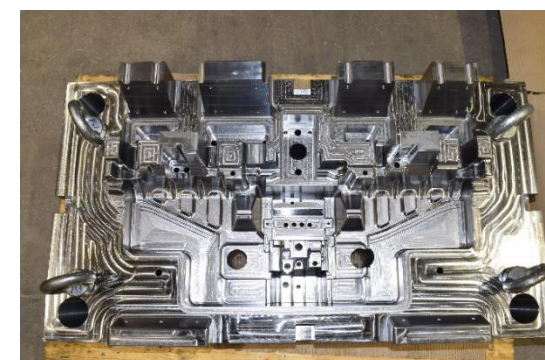
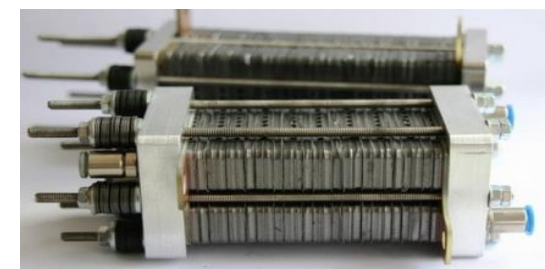
bszabo@pbkik.hu |



www.ddgk.hu

Sector of activity:

- machine & equipment manufacturing for food/automotive/packaging industry
- vehicle superstructure manufacturing
- metal processing
- electric device manufacturing, automation solutions



Transilvania IT Cluster

Size

188 members

- ✓ 20 Organizations
- ✓ 15 Small companies
- ✓ 41 Medium companies
- ✓ 41 Large companies
- ✓ 71 Start-ups

Location

North-Western Region of Romania

Specialization

- ✓ **Artificial Intelligence**
(expertise of 95+ members)
- ✓ **Internet of Things** (70+ members)
- ✓ **Big Data** (65+ members)

About Us

- ✓ Established in 2013
- ✓ **Gold-Label ESCA Certification – Cluster Management Excellence**

Mission

Our mission is to **foster innovation, growth and global collaboration** in the tech sector.

Services We Provide

- ✓ Networking and Ecosystem Building
- ✓ Support for Innovation
- ✓ Capacity Building
- ✓ Digital Transformation

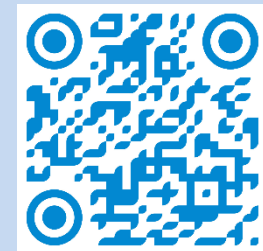
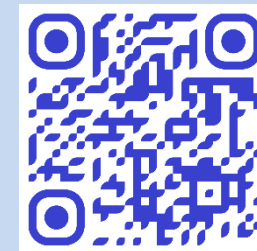
Collaboration Opportunities

Our goals include:

- ✓ **Collaboration in joint innovation projects**
- ✓ **Business and networking opportunities** for our member companies, interested in entering the Singaporean market.
- ✓ **Knowledge sharing and potential RDI (Research, Development, and Innovation) collaborations** between academia, research institutions, and industries.

Contact

- ✓ **Cluster Manager:** Bianca Muntean





GREEN FINTECH
TRANSFORMATION



European Digital Innovation Hub
"Kyiv Hitech"

482 Solutions (Since 2013 | HQ - **Ukraine, Singapore**)

Sectors of Green Economy: Green Energy, Green FinTech, Agri-Tech, ESG.

Specialisation: Blockchain, Data Space, Digital Twins, Cybersecurity.

Our Products: **ESG Cluster Hub** (recognized as best ESG practice by **Interreg Europe**) and **Electrodo** (awarded by **SEAS** and **Microsoft Singapore**) enhance ESG data and asset management for clusters, eco-industrial parks (EIPs), and SMEs.

482.solutions in
Singapore:



EUREKA
Globalstars-Singapore

482.Solutions LLC (member of Ukrainian Cluster Alliance)

Locations: Ukraine, Singapore

Website: www.482.solutions

Roman Kravchenko

CEO, 482.Solutions

Email: roman@482.solutions





INOWATTIO

Blockchain enabled virtual power plant

Contact: mihai.radulescu@inowattio.com

Website: <https://inowattio.com>

Current status

- Beta release Sept 2024
- 55 KWH storage
- 10 installed units
- 870 KW pv power

Supported hardware

- Huawei
- Growatt
- Deye
- Fronius
- Solax

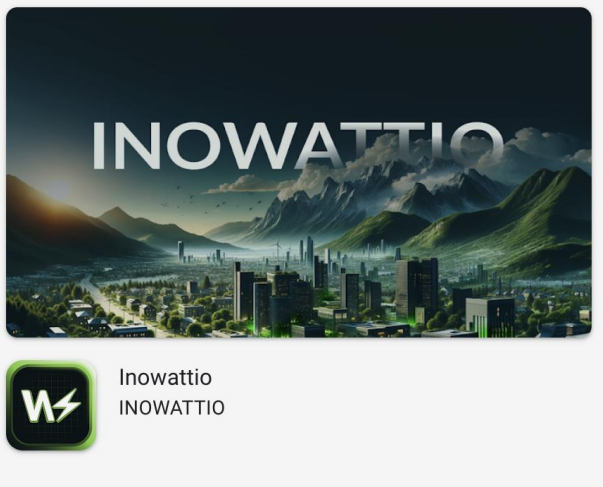
Team



IOS



Android



Main features

- Real time monitoring
- Energy communities pools
- Balancing market integration
- Hardware agnostic integrations
- L2 Private chain
- Energy communities smart contracts
- Sunspec compliant data schemes
- Rewards in real time with energy oracles
- Energy production forecast
- Consumption forecast
- Aggregation of multiple units
- Real time setpoint controll

Who we are?

- Spanish private non-profit BSO
- 55 years
- 350 members.** Industrial companies
 - 15% Big > 50M€
 - 30% Medium 10M€ – 50M€
 - 55% Small < 10 M€

+12,000 million €
billing

+7,600 million €
export

44,600 work places

4.5% innovation
investment

54% average
export

amec **aefemac**
amec **alimentec**
amec **afespan**
amec **amelec**
amec **amtex**
amec **ascon**
amec **fertech**
amec **envasgraf**
amec **urbis**
amec **industria**
amec **imapc**



Spanish
**Electrical &
Energy**
Technologies



Spanish
Solutions for
Smart Cities

What we do?



We promote the 5 competitiveness factors

Anticipation
Adaptability
Collaboration
Glocalisation
Sustainability

Based in 4 pillars of performance

Community
Internationalisation
Sustainability
Talent



Team of 30 professionals

specialists in the promotion of internationalized industry



Self-governed

More than 120 companies lead amec
Board of Directors / Executive Committee
Sector Councils / Technical Commissions



Industrial ecosystem

We lead the best industrial ecosystem

Looking for

- Potential providers for our members
- Collaborations with homologous entities
- Partnership/capacities for developing projects
- Manufacturing solutions

/CONTACT DETAILS: sfernandez@amec.es



UNIVERSITATEA
„ALEXANDRU IOAN CUZA”
din IAȘI

Universitatea “A.I. Cuza” din Iași
Member
www.uaic.ro



Universitatea Tehnică “Gh. Asachi”
din Iași
Member
www.tuiasi.ro



Tehnopolis Iași
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tehnopol-is.ro



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