



Energy Competence Center

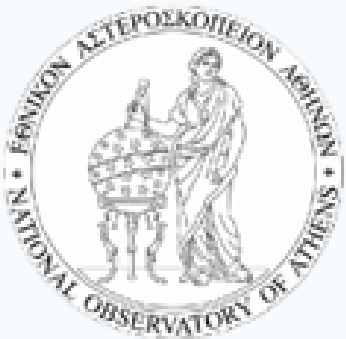
Applied Innovation in Energy

Dr. Stelios Bikos
General Manager

IENE 27th National Energy & Development Conference, Athens



ECC: Multi-shareholder, multi-sector



RESEARCH & TECHNOLOGY ORGANISATIONS



PRIVATE SECTOR

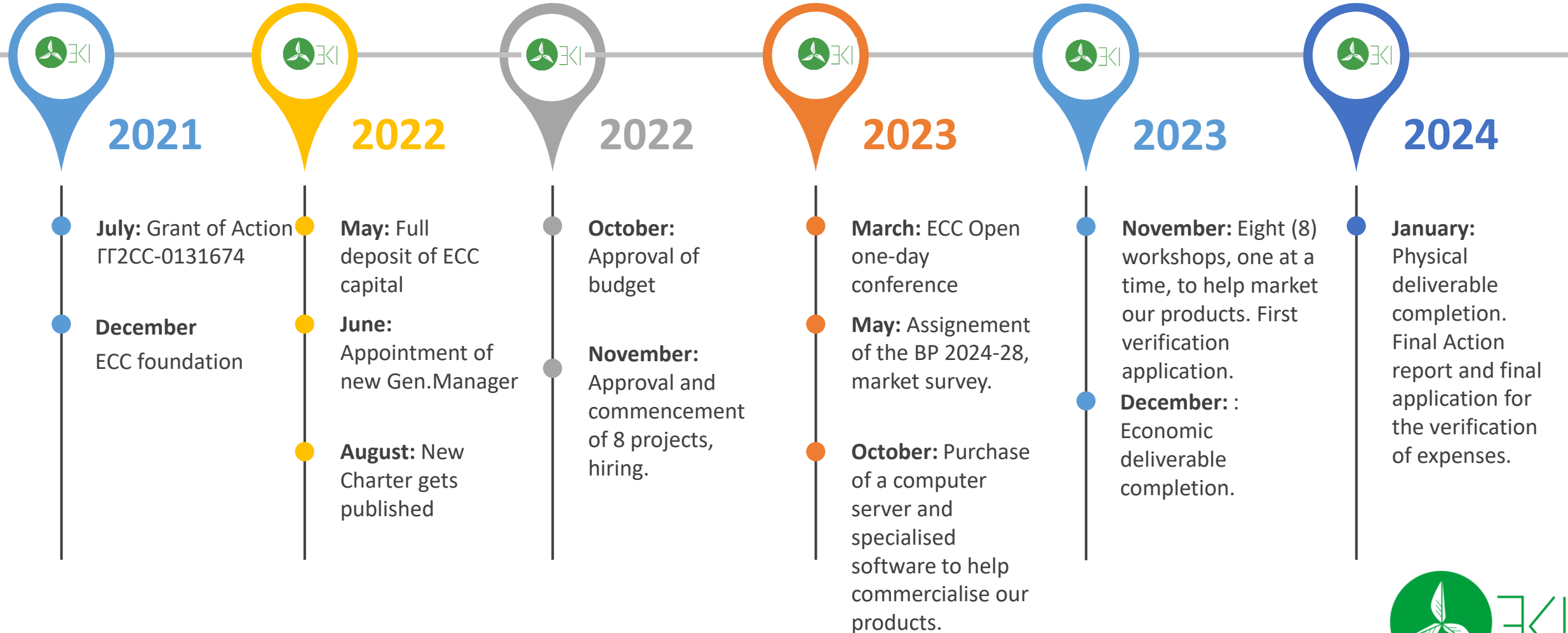


PUBLIC SECTOR CONTROLLED

- 4 RTO
- 3 Energy
- 3 Shipping
- 1 Water/Wastewater
- 1 Transport
- 1 Local Authority



ECC Timeline



ECC aims at technology transfer

- Public-Private partnership in the form of a **for-profit company**
- **Strengthens the link** between academic research and entrepreneurship
- Towards **technological and digital transformation**
- Support and promote **innovation, entrepreneurship and technical competencies** among enterprises in the **energy sector...**
- ...but among **enterprises that use energy**, as well.



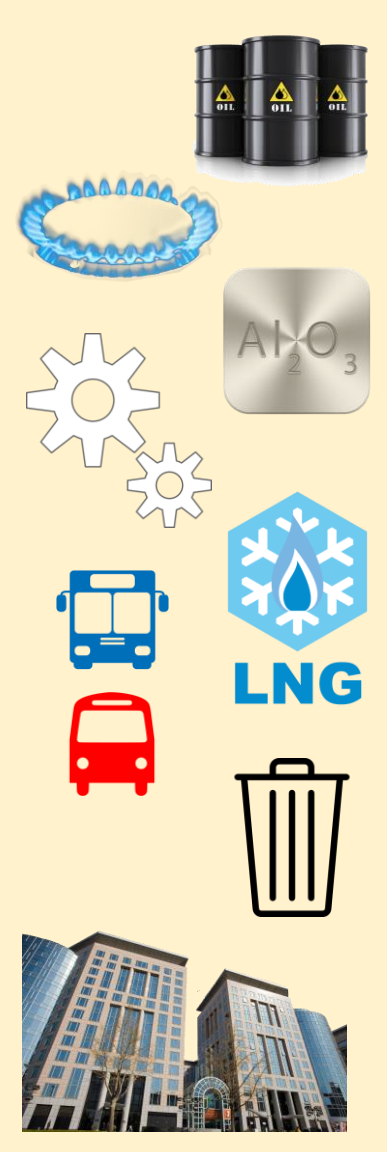
ECC: Applied Energy Innovation entity

- **Vertical shareholding in Energy** – from production to final use

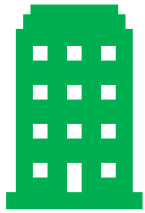
- Producers of fuels and of power from fossil fuels and Renewable Sources
- New investors in RES
- New energy carriers (hydrogen)
- Energy intensive industry, land and sea transport
- Power and fuel distribution to buildings
- Services and products of naval engineering, industrial engineering and shipping technology & management
- Local community and authority representative

- **Innovation Services & Innovative Tools**

- Specialised studies in innovative fields or with innovative tools
- Lab and industrial trials for maturation or validation of new technology
- Specialised computational tools of own development
- Training and certification
- Regular updates with moderated information



ECC today, in numbers



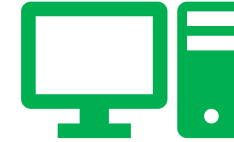
Life
2 yrs



Management
7 people



Budget
2,6M€



**IT equipment &
specialised software**
100K€



**Knowledge
Activities**
8



**Investment in
Knowledge Activities**
1,1M€



**Contracts for
Knowledge Activities**
145



**Associates for
Knowledge Activities**
110

ECC: Thematics of activity

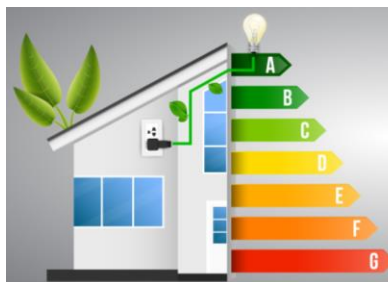
Power and Fuel Networks



Smart Cities and Communities, Sustainable Development, Environment



Sustainability of energy projects

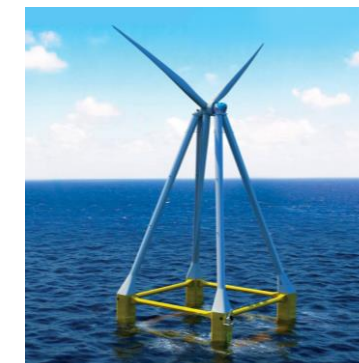
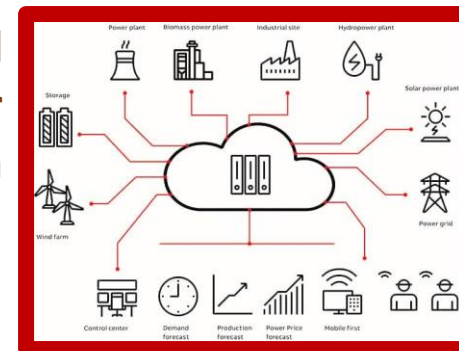


Energy Efficiency



Central power production in the era beyond lignite

Distributed Power Production



Innovation in Renewable Energy Sources

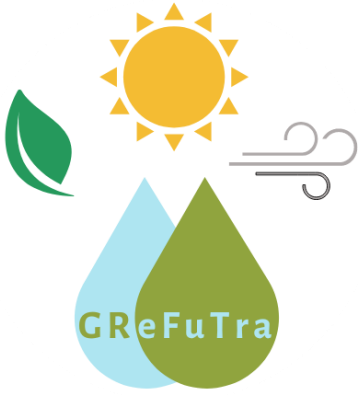
Energy Storage



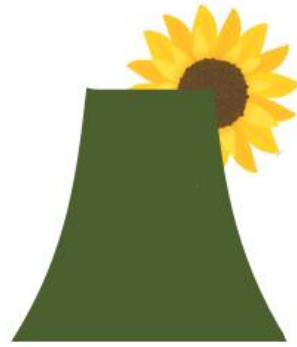
Each thematic contains a series of sub-themes, prioritised in Business Plan 2024-2028.



ECC: Current Knowledge Activities



MetaLignite





Energy
Competence
Center



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Co-financed by Greece and the European Union

