

# Municipality of Eilat



## OVERVIEW

The city of Eilat is Israel's southernmost city and a strategic crossroads between three continents and four countries. Eilat is one of the leading smart cities in Israel, with unique characteristics due to its geographical and ecological conditions.

The municipality of Eilat is leading numerous R&D projects and demonstration sites of renewable energy and energy efficiency, smart transportation, sustainable development and coastal protection.

The city of Eilat is a leader in energy efficiency, as **currently 75% of the city's daytime electricity is supplied by renewable energy.**

The fast growth pace of the city is manifested in the construction of new neighborhoods and brings large investments in energy efficiency, smart infrastructure, innovative waste and water management, electro-mobility and many additional ambitious projects.

## OUR PROPOSED CONTRIBUTION

Sustainable development is the key priority of the City of Eilat. We have a designated Smart City team - professionals who are dedicated to implementing innovative and sustainable solutions in the Eilat-Eilat region. Our experience and knowledge can contribute to any smart city-related project.

Eilat can act as an **operational demo-site** to test the project's results; we can take part in building strategies that take into account regulation, citizens welfare, environmental protection and the economy's growth;

## EU PROJECTS

**procuRE** Pre-commercial procurement of solutions for 100% renewable energy supply in buildings.

**LEONARDO** Micro-Vehicle for stand-alone and shared mobility.

**RISKPACC** Integrating Risk Perception and Action to enhance Civil protection-Citizen interaction

**Project Ô** H2020 Innovation Action Project - demonstration of integrated and symbiotic use of water, in the view of the needs of different users and wastewater producers, involving regulators, service providers, civil society, industry, and agriculture. Eilat City is one of the project's main demo-site.

**Muse Grids** H2020 Innovation Action Project – demonstration of local energy grids interaction to reach local energy independence via end user-driven control strategies, smart grid functionality, storage, CHP and RES integration. Eilat city participates as a virtual demo site.

**BERLIN** an ENI CBCMED project. A public school in Eilat is one of the demo sites, in which innovative & cost-effective energy rehabilitations based on the nanogrid concept are tested.

## CONTACT INFORMATION

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## RELEVANT OPEN HORIZON EUROPE CALLS

1. HORIZON-CL5-2022-D1-01-02-two-stage Socio-economic risks of climate change in Europe
2. HORIZON-CL5-2021-D2-01-08 Emerging technologies for a climate neutral Europe
3. HORIZON-CL5-2021-D2-01-14 Accelerating the climate transition in difficult contexts
4. HORIZON-CL5-2021-D2-01-16 Co-Funded Partnership: Driving Urban Transitions to a sustainable future (DUT)
5. HORIZON-CL5-2021-D3-02-05 Energy Sector Integration: Integrating and combining energy systems
6. HORIZON-CL5-2021-D3-01-06 Increasing energy system flexibility based on sector-integration services
7. HORIZON-CL5-2021-D3-02-07 Reliability and resilience of the grid: Measures for vulnerabilities, failures, risks
8. HORIZON-CL5-2021-D3-01-08 Electricity system reliability and resilience by design
9. HORIZON-CL5-2021-D3-01-16 Cost reduction of CO2 capture (new or improved technologies)
10. HORIZON-CL5-2021-D3-02-06 Increasing energy system flexibility based on sector integration services
11. HORIZON-CL5-2021-D3-02-13 Demonstration pilot lines for alternative and innovative PV technologies
12. HORIZON-CL5-2021-D3-02-14 Demonstration of large-scale CHP technologies for a shift to the use of biogenic
13. HORIZON-CL5-2022-D3-01-05 Demonstration of innovative plug-and play solutions for system management
14. HORIZON-CL5-2022-D3-01-08 Supporting the action of consumers in the energy market and guide them
15. HORIZON-CL5-2022-D3-01-10 Interoperable solutions for flexibility services using distributed energy storage
16. HORIZON-CL5-2022-D3-01-11 Demonstration of innovative forms of storage and their successful operation
17. HORIZON-CL5-2022-D3-02-05 Renewable energy carriers from variable renewable electricity surplus
18. HORIZON-CL5-2021-D4-01-02 Industrialisation of deep renovation workflows for energy-efficient buildings
19. HORIZON-CL5-2021-D4-01-03 Advanced data-driven monitoring of building stock energy performance
20. HORIZON-CL5-2021-D4-02-02 Cost-effective, sustainable multi-functional and/or prefabricated holistic renovation
21. HORIZON-CL5-2021-D5-01-01 Nextgen vehicles: Innovative zero emission BEV architectures for regional medium
22. HORIZON-CL6-2021-BIODIV-01-10 Demonstration of measures and management for coastal and marine
23. HORIZON-CL6-2021-BIODIV-01-12 Improved science based maritime spatial planning and identification
24. HORIZON-CL6-2021-BIODIV-01-21 Impact and dependence of business on biodiversity
25. HORIZON-CL6-2021-FARM2FORK-01-11 Digital transition supporting inspection and control for sustainable fisheries
26. HORIZON-CL6-2021-COMMUNITIES-01-05 Integrated urban food system policies
27. HORIZON-CL5-2021-D3-02-16 Innovative biomethane production as an energy carrier and a fuel
28. HORIZON-CL6-2021-BIODIV-01-17 Policy mixes, governance (including financing) and decision-making tools
29. HORIZON-CL6-2021-FARM2FORK-01-01 Reaching the Farm to Fork target
30. HORIZON-CL6-2022-FARM2FORK-01-05 Integrated and sustainable freshwater bioeconomy
31. HORIZON-CL6-2021-CIRCBIO-01-01 Circular Cities and Regions Initiative (CCRI)'s
32. HORIZON-CL6-2021-CIRCBIO-01-03 Innovative solutions to over-packaging and single-use plastics
33. HORIZON-CL6-2021-ZEROPOLLUTION-01-03 Preventing and managing diffuse pollution in urban water runoff
34. HORIZON-CL6-2021-ZEROPOLLUTION-01-04 Achieving zero polluted seas and ocean
35. HORIZON-CL6-2021-COMMUNITIES-01-04 Socio-economic empowerment of the users of the sea
36. HORIZON-CL6-2021-COMMUNITIES-01-06 Inside and outside: educational innovation with nature-based solutions
37. HORIZON-CL3-2021-FCT-01-07 Improved preparedness on attacks to public spaces
38. HORIZON-CL3-2022-FCT-01-04 Public spaces are protected while respecting privacy and avoiding mass surveillance
39. HORIZON-CL3-2021-INFRA-01-02 Ensured infrastructure resilience in case of Pandemics
40. HORIZON-CL3-2022-INFRA-01-01 Nature-based Solutions integrated to protect local infrastructure
41. HORIZON-CL3-2021-DRS-01-01 Improved understanding of risk exposure and its public awareness
42. HORIZON-CL3-2021-DRS-01-02 Integrated Disaster Risk Reduction for extreme climate events
43. HORIZON-CL3-2021-DRS-01-05 Fast deployed mobile laboratories to enhance situational awareness
44. HORIZON-CL3-2021-SSRI-01-04 Demand-led innovation for situation awareness in civil protection
45. HORIZON-CL3-2022-SSRI-01-04 Social innovations as enablers of security solutions and increased security
46. HORIZON-HLTH-2021-ENVHLTH-02-02 Indoor air quality and health