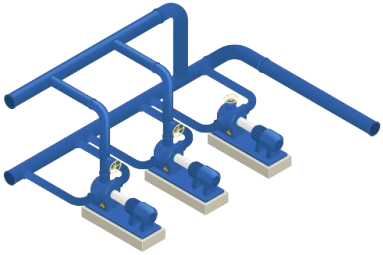




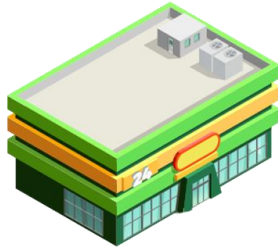
intelligent energy lab



Open platform of energy efficiency initiatives for city



Low temperature
district heating



Residual heat



Renewable energy
sources



District cooling



Smart technologies



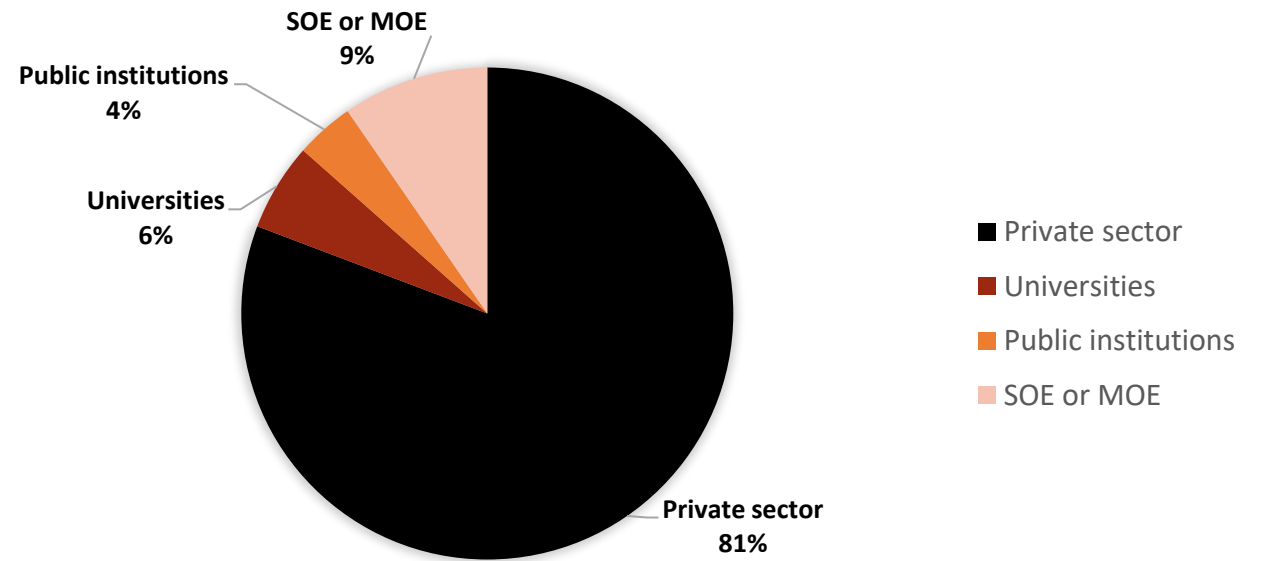
Green data

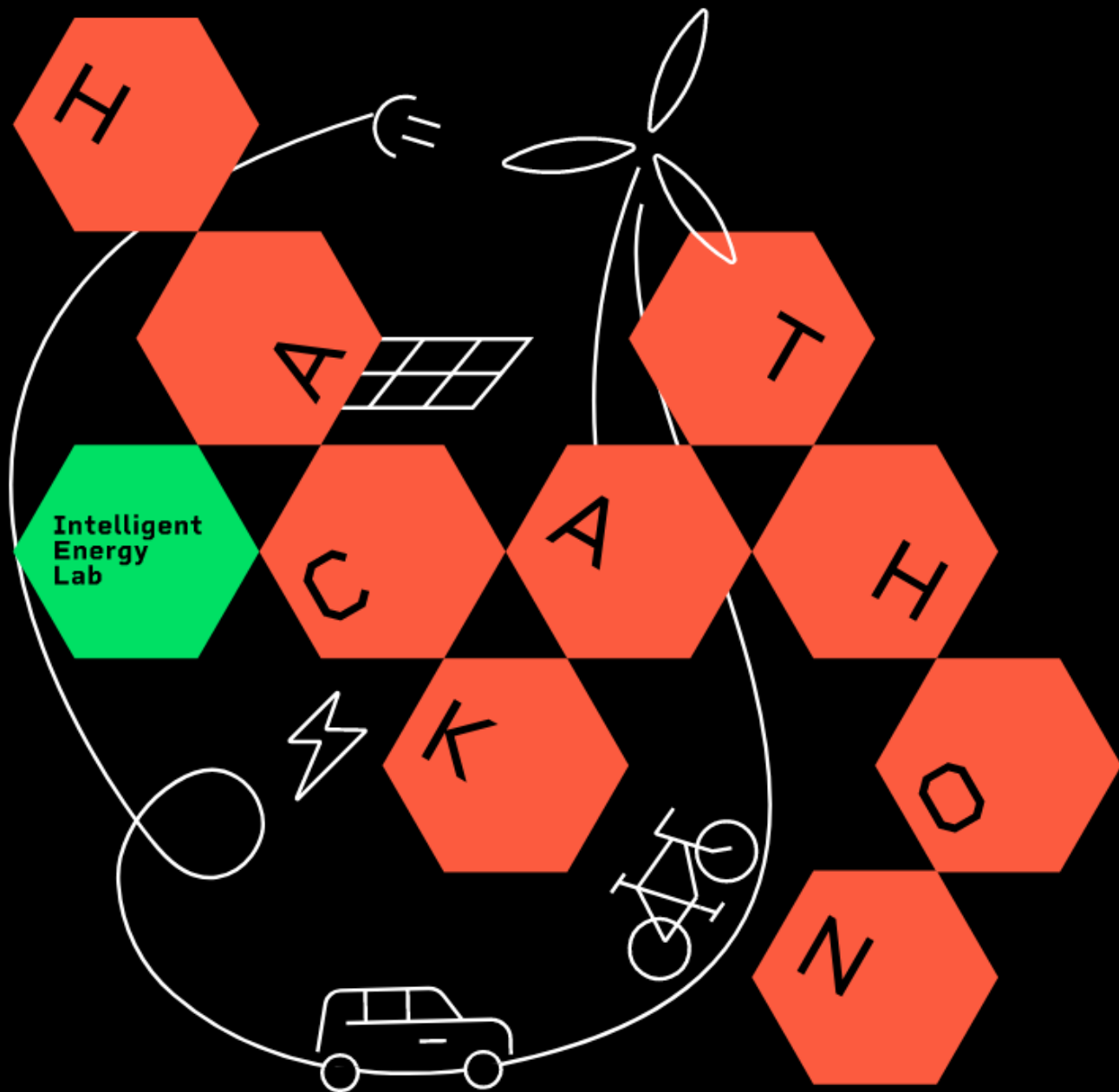


intelligent energy lab

Key stats

- 52 partners
- 21 meetings per year
- 19 new ideas
- 13 initiatives
- 8 implemented projects





A VIRTUAL EVENT. LIVE BROADCAST FROM VILNIUS

Intelligent Energy Lab

HACKATHON

September 21-23, 2021

Challenges

- Heating and cooling:
 - Transition to low temperature district heating
 - Energy prosumers
 - Heat storage
- Circular economy:
 - Phthalates removal from sewage sludge
 - Recycling of biomass ash
 - Agriculture and architecture
- Green data:
 - Monitoring of district heating grid
 - Mapping residual heat in Vilnius
 - Energy consumption barometer for buildings
- Green transport:
 - Low pollution areas in the city
 - Multifunction charging
 - Estimation of free parking spaces



intelligent energy lab

Hackathon in numbers

122
registered
participants



96
participants



15 teams



19 mentors



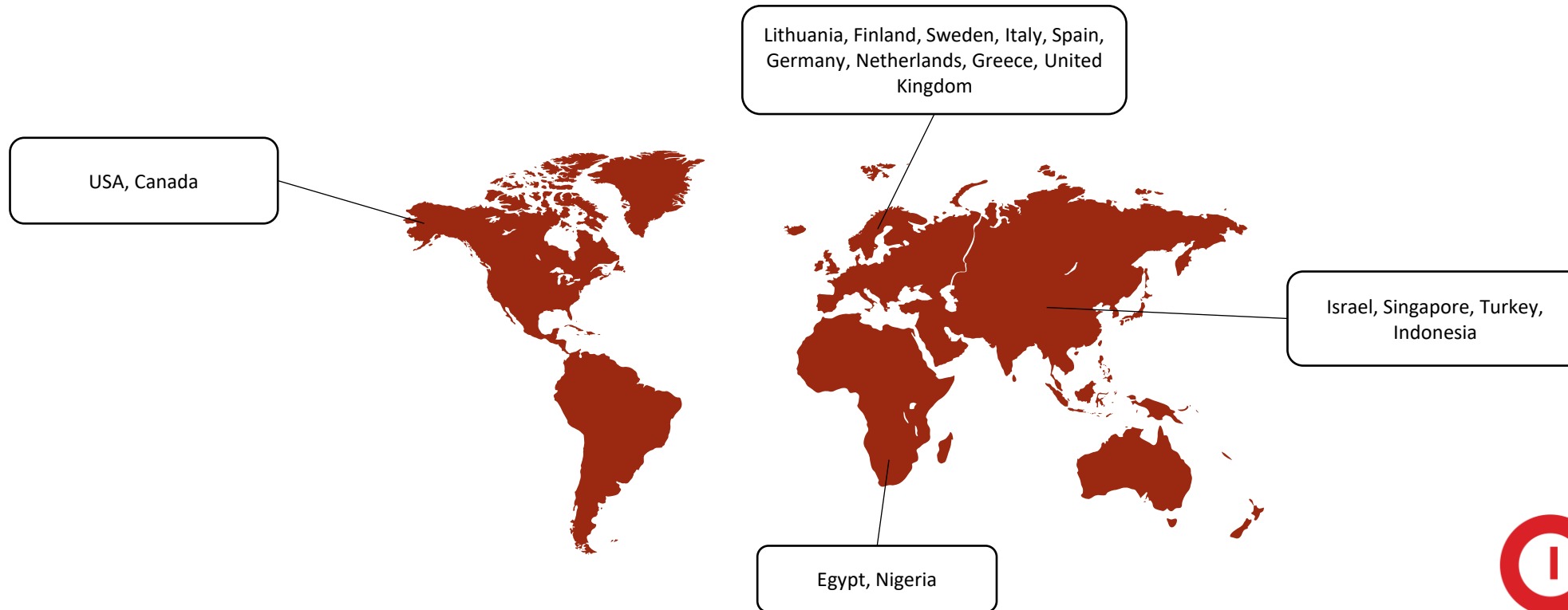
6
member jury



4 speakers



Geography of participants



Top teams



Challenge – old network infrastructure and potential failures
Solution – humidity, temperature and flow sensors in chambers to monitor potential failures



Challenge – residual heat is wasted into the air
Solution – data exchange platform for trading residual heat



Challenge – limited parking spaces in city center
Solution – parking sensors and MaaS app for route planning



intelligent energy lab



intelligent energy lab