

HEL 2019-005063/ Helsinki Energy Challenge applications and scores

Submission Title	Team	Plan	Total	Team comments	Plan comments
"GREXH2O", Green Reliable Energy + H2O 4 Hydrogen 2 Heat X Zero Emissions"	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
"DC2DH" (from District Cooling to District Heating)	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).
2steps roadmap to hydrogen (2sHy) Development of long-term sustainable solutions for district heating	3,0	4,0	7,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
3D FUTURE	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
5 ELVES	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).

5G gaming server centre	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
ABCD for clean heating in Helsinki	3,0	5,0	8,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria); however, implementation feasibility, costs and capacity of the system are only moderately described and not all risks impacting feasibility are taken into account. Due to this, the plan did not qualify to the final round.
ABG Geothermal Helsinki	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).
Absolute Zero Team Toronto	3,0	4,0	7,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
Active Energy	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Alternative Energy	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of most of the evaluation criteria).
An ISO 50001 energy management system to improve energy performance	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).

Another way	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Applied Methodologies 4 Zero CO2 of Cities	2,0	4,0	6,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather good for the purpose of this competition (in terms of most of the evaluation criteria).
Atomic Island	2,0	4,0	6,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
Avoin Map	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Basic Science	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
BEST-DH Borehole Energy Storage - District Heating	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
BEYOND fossils	3,0	7,0	10,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan strong for the purpose of this competition (in terms of most of the evaluation criteria); stands out especially because of good risk managements and implementation plans in relation to respective criteria. The plan is assessed to be feasible to implement with reasonable cost impact due to the flexibility of the plan as regards to technologies.

BigSolar Helsinki	3,0	5,0	8,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria). The plan in general is well-prepared; however, there are serious challenges related to project implementation. The elaboration of these and potential related risks are considered moderate and not adequate to qualify for the final round.
Biomass^2	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
Blue Engineers	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Bona Vacantia	2,0	4,0	6,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
Carbo Culture - atmospheric carbon removal in a heat-giving process	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Garbon Budget	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Carbon Neutral Nomadis	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).

CarbonHelSinki	3,0	7,0	10,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan strong for the purpose of this competition (in terms of most of the evaluation criteria); the construction of heat storage has been elaborated well in relation to implementation feasibility. The implementation schedule presented is well prepared and in line with the requirements of the city of Helsinki, and the plan had substantial capacity to decarbonise the heating and therefore significant climate impact. The cost impact of the plan is reasonable with good cost efficiency for the decarbonisation.
Carson-Thoreau	1,0	3,0	4,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).
CHP - Consumers to Heat Producers	3,0	7,0	10,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan strong for the purpose of this competition (in terms of most of the evaluation criteria). The plan stands out by giving a solution to maintain the heat network as a platform for multiple heat producers, and promoting the role of small private producers as part of the implementation, with positive climate impact and potentially reasonable cost. Climate and cost impacts have been elaborated well, and the cost efficiency of the plan was assessed to be a strong aspect.
CHP-BATTERY (if we need heat, we should always burn something ?)	2,0	5,0	7,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria); however, only moderate description on cost impact and implementation feasibility caused the application not qualifying to final rounds.
Clean Energy	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).

Clean Helsinki	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).
Clean Hydrogen for Helsinki	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
Cloud heat for Helsinki	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
CO2GETHER	2,0	4,0	6,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
CO-FREE HEAT	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).
compactAD	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of most of the evaluation criteria).
Danfoss Ukraine	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).

Deliverability and execution	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria)
District Heat from Loviisa Nuclear Plant	2,0	4,0	6,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather good for the purpose of this competition (in terms of most of the evaluation criteria).
District Heat Reactor (DHR)	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
Don't waste. Be smart.	2,0	4,0	6,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
Eco-CCS	3,0	5,0	8,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria); however, the proposed combustion-carbon capture -technology is seen to include some potential implementation risks, which are not covered in detail enough in the plan. The impacts on natural resources assessed to be a drawback of this plan as well. Scaling up and building the sufficient capacity for heat demand of Helsinki considered as a hurdle too, which reduces the points on implementation schedule and feasibility.
EIR Energy Transition Team	3,0	5,0	8,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria). However, implementation feasibility and cost estimation somewhat unclear.

Electric-City	3,0	4,0	7,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan rather good for the purpose of this competition (in terms of most of the evaluation criteria).
Electricity from Brine	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Emission-free Total Solution Utilizing Existing Sources	1,0	3,0	4,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).
Endless Energy from Sea	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Enerbrain	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
energenious	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Energisti	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).

ENERGY	1,0	3,0	4,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
Energy apartments and decantralized production	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Energy By Design	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Energy carrier	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of most of the evaluation criteria).
Energy Efficiency & Enhanced Geothermal	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).
Energy from Waste	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Evolutionary Energy Management	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan weak for the purpose of this competition (in terms of all or most of the evaluation criteria).

Extremely Low Heat Distribution Network - ExLoNet	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
FHP - Flexible Heat and Power	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).
Fire Turbine Team	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
Flexible Future	3,0	7,0	10,0	Team with strong experience relevant to the proposed solution, and, in the energy sector and in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan is strong for the purpose of this competition (in terms of most of the evaluation criteria). Master plan has been well drafted covering implementation risks and their mitigations in terms of implementation feasibility and schedule. The impacts to climate and natural resources have been elaborated well. The plan stands out because of the innovative and ambitious plan to use excess heat from different sources with substantial climate impact, good implementation feasibility and reasonable cost impacts. The proposed capacity is significant with good reliability.
Fofreat (Fossil free heat)	2,0	4,0	6,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
Free Carbon-free Helsinki	3,0	3,0	6,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).

Free Electricity	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
From Helsinki with love	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
GeoTherm	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Geothermal Anywhere	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of most of the evaluation criteria).
Goal no Coal	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).
Going Deep	3,0	7,0	10,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan is strong for the purpose of this competition (in terms of most of the evaluation criteria). Technology choices have been reasoned well and the presented implementation schedule, investment costs and risk mitigation analysis have been conducted well. The plan is assessed to be strong especially in terms of the capacity to cover the heat demand, reliability of the plan and the climate impact. The plan also takes into account the local conditions, making the implementation feasibility good.

Good Water Energy	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of most of the evaluation criteria).
Great Warmth	3,0	3,0	6,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).
Great Warmth	3,0	4,0	7,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
Green Hydrogen	1,0	3,0	4,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
Green Hydrogen Solutions	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).
Green Sprint for Helsinki	3,0	4,0	7,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
Greenteam	1,0	3,0	4,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).

Green-Y	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).
Ground Battery	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
Harvesting Heroes in Helsinki (HHH)	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Heat from air	2,0	4,0	6,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
Heat from Biomass Gasification	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
Heat Refinery	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
Heat the future	3,0	4,0	7,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).

Heat Under Our Feet	3,0	5,0	8,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria); however, the impact on natural resources is seen significant due to biochar production. The elaboration of costs and implementation feasibility are considered moderate, and not presented in detail enough to be convincing and ensuring the feasibility of the plan.
HeatFlex Helsinki	3,0	5,0	8,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria); however, elaboration of implementation feasibility is considered weak and generic, and essential information for assessment is missing. This reduce the overall points and the application did not qualify to further rounds.
Heatnovators	3,0	5,0	8,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria). Especially high-temperature heat pumps are considered as an excellent technology, since it would allow utilization of existing DH network. However the project is largely based on waste heat from various sources, including Kilpilahti. The availability of heat in required scale is seen challenging, and implementation schedule is considered optimistic. Because of these, the reliability and security of supply, as well as implementation feasibility are considered somewhat weaker than in some other plans.
Heatseekers	2,0	4,0	6,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
HELANDEN, a solution for decreasing greenhouse gases	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).

HELoop	2,0	4,0	6,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
Helsinki Energy Game	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
Helsinki Heat Hub	3,0	3,0	6,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
Helsinki Lagoon	3,0	5,0	8,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria). However, the elaboration of implementation schedule and feasibility are only at a moderate level. All the needed procedures to build a fixed structure at Finnish coastline would likely take long time and be costly, thus, could likely negatively affect the implementation schedule of the plan. The presented implementation plan is not addressing all the potential risks, at adequate level.
Helsinki Model	2,0	4,0	6,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
HelsinkiMultiFlows	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).

HepaPump	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
HESA (HighestEnergySecureApp)	3,0	1,0	4,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
HIVE	3,0	7,0	10,0	Team with strong experience relevant to the proposed solution, and, in the energy sector and in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan strong for the purpose of this competition (in terms of most of the evaluation criteria); stands out especially because of implementation feasibility, cost and reliability criteria for being a flexible plan with multiple technologies. The plan is well presented with detailed analysis supporting the cost and climate impact assessment, as well as the feasibility.
HI-WET: The Holistic and Innovative Way to Use an Existing Technology	2,0	4,0	6,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
HK Carbon Fighters	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of most of the evaluation criteria).
Holistic Approach	3,0	5,0	8,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria). However, some aspects of the plan not convincingly presented, not enough information to analyse the cost and feasibility impacts. The reliability potentially also a weak point of the plan.
Hot Bank	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).

Hot Spot Helsinki	3,0	5,0	8,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria); however, the moderate elaboration of cost impact and low capacity caused application not qualifying to final round. The proposed solution is rather a pilot than commercially viable, and the risks related to implementation feasibility are not adequately assessed and presented.
Hour-by-hour simulation optimizers	1,0	4,0	5,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
HyBone	1,0	4,0	5,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
Hybrid Districts	3,0	5,0	8,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria); however, with moderate elaboration of implementation and cost issues, the application did not qualify to final rounds.
Hydrogen future	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Ikar Trading	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria)
Independent low temperature heat recovery plant with heat engines and	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).

Ingeenium	1,0	1,0	2,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Into Orbit	1,0	1,0	2,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Keep it Cool	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).
Keep moving forward	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Klinkman Solar Design	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Laser-Deep-Drilling for a continuous steam production	2,0	4,0	6,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
Leaf Island: Temperature Regulation Aquifer (TRA)	2,0	4,0	6,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).

Liberum Venti	2,0	5,0	7,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria); however, moderate description of implementation feasibility (large share of biomass) caused the plan being excluded from final rounds.
Lightbridge Technologies Carbon LENR Team	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Linear Mirror (winter light)	3,0	3,0	6,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
Low cost electricity	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
Low energy heat for inland	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria)
M2 Thermal Solutions LLC	2,0	5,0	7,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria); however, implementation feasibility elaborated only moderately. Some technical hurdles and their mitigation are omitted and this also reduce the points related to implementation feasibility.
Model Predictive Control of District Heating	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).

Mysterious power from the East	3,0	4,0	7,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
New Helsinki	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
No more tons of coal	1,0	4,0	5,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
NuClean Energy	3,0	4,0	7,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
Nuclear quality heat	3,0	3,0	6,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
OCEAN ENERGY SPONGE	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Oceanic Solar/Wind/Tide Energy collection with Hydrogen Storage	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).

Offshore windfarms etc	1,0	3,0	4,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).
Optimal Helsinki	3,0	3,0	6,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
Optimization with AI	2,0	1,0	3,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Optimus Heat	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Opting Solution	3,0	3,0	6,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
Organic-Solar Energy Solution	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
Patu	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).

Peak	3,0	5,0	8,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria); however, there are some mistakes in calculations. The elaboration of implementation feasibility and schedule is considered moderate, not fully describing all relevant aspects and potential risks.
Permacarbon	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
Perniön voima	1,0	1,0	2,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Planning a 5th generation network with AI	3,0	4,0	7,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
Power of Ice	3,0	5,0	8,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria); however, somewhat challenges in terms of capacity, cost estimates and reliability. The solution has been demonstrated in small scale, but the operation in commercial scale would require additional research before implementation. The plan does not describe in detail enough how these potential risks would be mitigated to make the plan feasible to implement in Helsinki.
Power-to-Heat	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).

Primary Wind	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Prosumer Heat Network	3,0	5,0	8,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria). The implementation feasibility and shedule are considered potential risks, which are not addressed well enough in the plan to qualify for the final round.
PTAB (Power to Ammonia Boilers)	2,0	4,0	6,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
Radical Innovations Group	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Real Estate Recycling Team	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Reduce consumption at end users	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Rema	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria)

RenewABLE Tech	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
Reverse Refrigerator	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
RIKURANTTI	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Rusan Tarmo	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Sector Couplers	2,0	4,0	6,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
Shahar CO2 to Natural Gas	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
ShipGOHELSINKI	2,0	5,0	7,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria).However, implementation feasibility on Loviisa side and security of the supply not properly evaluated.

SISU - Sand Integrated heat Solution Utilizing wind	3,0	5,0	8,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria); however, the implementation feasibility, reliability and climate impact in relation to heat pump types or how peak heat demand would be covered, is not elaborated in the plan well enough to qualify for the final phase.
Sitowise Smart Energy	3,0	2,0	5,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
SkySampo	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Slush Maschine	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).
Smart Energy	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of most of the evaluation criteria).
Smart heat	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Smart Heat	2,0	4,0	6,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).

Smart Renewable Solution - Urban Green Power	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Smart Salt City	3,0	7,0	10,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan strong for the purpose of this competition (in terms of most of the evaluation criteria). Climate impact of the solution is substantial and the technologies presented assessed to be feasible to implement in Helsinki. The plan includes several technologies, among them a specific storage technology. The implementation plan is well prepared, and the capacity and reliability has been secured with sufficient back-up arrangements together with innovative control and optimization system.
Solar Innovate	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Solar Wind Reliance Initiatives (SWRI)	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).
Solar Wind Reliance Initiatives (Wind Powered Heating Addendum)	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).
Storage Rocks	3,0	5,0	8,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria); however, the feasibility and schedule are not presented well enough to qualify for the final round.

STORMY HYDROGEN	1,0	3,0	4,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).
Sun and Sea	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
SupplyGuaranteed	2,0	4,0	6,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
Sustainable Heat Coalition	3,0	7,0	10,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan is strong for the purpose of this competition (in terms of most of the evaluation criteria). The plan is well drafted. Implementation feasibility is excellently planned and analyzed and the implementation schedule is well-phased. Presented capacity of the plan is substantial, and the cost impact is reasonable.
Sustainable Platform	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
SWHRA, Ships Waste Heat Recovery Arrangement	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).

Systemic Grid Solution	2,0	4,0	6,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
Sähkö Tapsi	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).
Team CEEG-Technology	2,0	4,0	6,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
Team HTR	3,0	4,0	7,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
TEAM LSJR	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Team Mirai	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
Team nuclear power cooling water	1,0	3,0	4,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).

Team of AirExet	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).
Team_AIT	3,0	4,0	7,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
Technical and tactical	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of most of the evaluation criteria).
Testi	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).
The Couplers	3,0	5,0	8,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria); however, the plan is missing consistency between technologies and their implementation feasibility and schedule. The cost impact of the plan is not presented convincingly enough to be able to assess if the plan is really feasible from this perspective.
The Energy Envelope	3,0	4,0	7,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
The Heat Beneath Our Feet	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of all or most of the evaluation criteria).

The Helsinki Starshot	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of most of the evaluation criteria).
The Hot Heart	3,0	7,0	10,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan is strong for the purpose of this competition (in terms of most of the evaluation criteria). Proposal offers full capacity for covering the heat demand, and climate impact has been elaborated well. The plan is flexible in relation to technologies, which improves the implementation feasibility. The impact on natural resources is small.
THE JOLLY GREEN CHLORINE MACHINE	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
The Shared Energy	1,0	4,0	5,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
The Sun Tamers	3,0	4,0	7,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
The Sustainable Hydrogen City	3,0	4,0	7,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).

The T:CRACKERS	3,0	3,0	6,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
There is no waste	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
Thermal Energy from deep storage and solar thermal & wind Energy	3,0	4,0	7,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan reasonable good for the purpose of this competition (in terms of most of the evaluation criteria).
Thermo Drapes	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Thinking logically	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
THROUGH THE ROCK	2,0	4,0	6,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather good for the purpose of this competition (in terms of most of the evaluation criteria).
Torium Triumphs	1,0	1,0	2,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan weak for the purpose of this competition (in terms of all or most of the evaluation criteria).

TORNADO HANDLERS	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Traffic Benefit	1,0	1,0	2,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Transparent insulation equipped Solar pond and collectors enabling HT heat pumps	2,0	5,0	7,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria); however, with moderate description on impact to natural resources and implementation feasibility the application did not qualify to final rounds.
Tree(3)perCent & Cosmic Energy System	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
TRI-STO-GEN	3,0	5,0	8,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria); however, the implementation schedule and feasibility are not sufficiently covered, and the cost impact is not convincingly enough presented. The plan is interesting, however, seems not feasible for Helsinki, rather for some other cities.
Triwind	1,0	1,0	2,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan weak for the purpose of this competition (in terms of all or most of the evaluation criteria).

Ultimate	1,0	5,0	6,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria); however, the elaboration of the plan related to criteria is considered moderate. The plan did not qualify to final round.
uranium number one	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Urban Energy Team	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
USE IT OR LOSE IT	3,0	7,0	10,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan strong for the purpose of this competition (in terms of most of the evaluation criteria); the idea is interesting and technically plausible in terms of implementation feasibility and schedule. The cost impact of the plan is reasonable, potentially offering a cost efficient way for decarbonising the heat production. This plan stand out because of the flexibility it would offer and potentially good implementation feasibility with large capacity impacts.
Vaasahebi	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Warming Sea Wind	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).

Waste Heat Utilization & Multienergy Platform	3,0	5,0	8,0	Team with strong experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise strong.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria); however, with moderate elaboration of cost impact and implementation feasibility this proposal did not qualify to final rounds. The assumptions made related to availability and quality of waste heat from Kilpilahti or Loviisa are overoptimistic.
Water and Fire	1,0	1,0	2,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Water heats earth	1,0	5,0	6,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria); however, the elaboration of cost impact considered poor and implementation feasibility and schedule moderate. The application did not qualify to final round.
Waves of Heat and Synergy	1,0	5,0	6,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan good for the purpose of this competition (in terms of most of the evaluation criteria); however, implementation feasibility and schedule are only adequately elaborated. Some essential risks and costs related to the technology are omitted, and mitigation plan not presented.
WeCare Team	1,0	3,0	4,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).
West Wind	2,0	3,0	5,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan moderate for the purpose of this competition (in terms of most of the evaluation criteria).

Wind Harvesters	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Wind to Heat	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).
Winds Of Change	2,0	2,0	4,0	Team with experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise moderate.	Proposed plan rather weak for the purpose of this competition (in terms of most of the evaluation criteria).
Vulcan	1,0	2,0	3,0	Team with little experience relevant to the proposed solution, and, in the energy sector or in developing or implementing energy technologies or systems. The diversity of relevant expertise weak.	Proposed plan rather weak for the purpose of this competition (in terms of all or most of the evaluation criteria).