



WASTE **to** ENERGY
GENERATING

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Problem Statement / Value Proposition

Generating electricity and cooling from low potential thermal power is the biggest sleeping giant of global energy market.

 solution is fully consistent with the UN Sustainable Development Goals.

7 AFFORDABLE AND CLEAN ENERGY 

13 CLIMATE ACTION 

Humanity loses more than 1 trillion \$ in a form of low grade heat power worldwide.

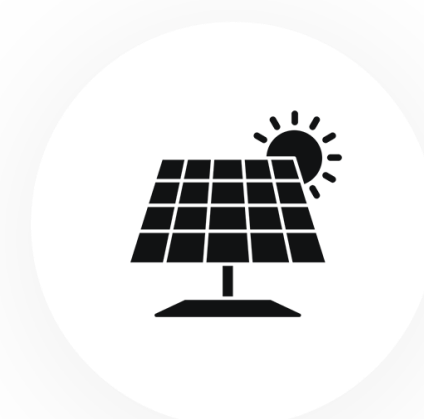
Low Grade Heat



Geothermal
Energy



Oil, Oil Sands &
Gas Industries



Solar Thermal
Energy



Thermal & Nuclear
Power Plants

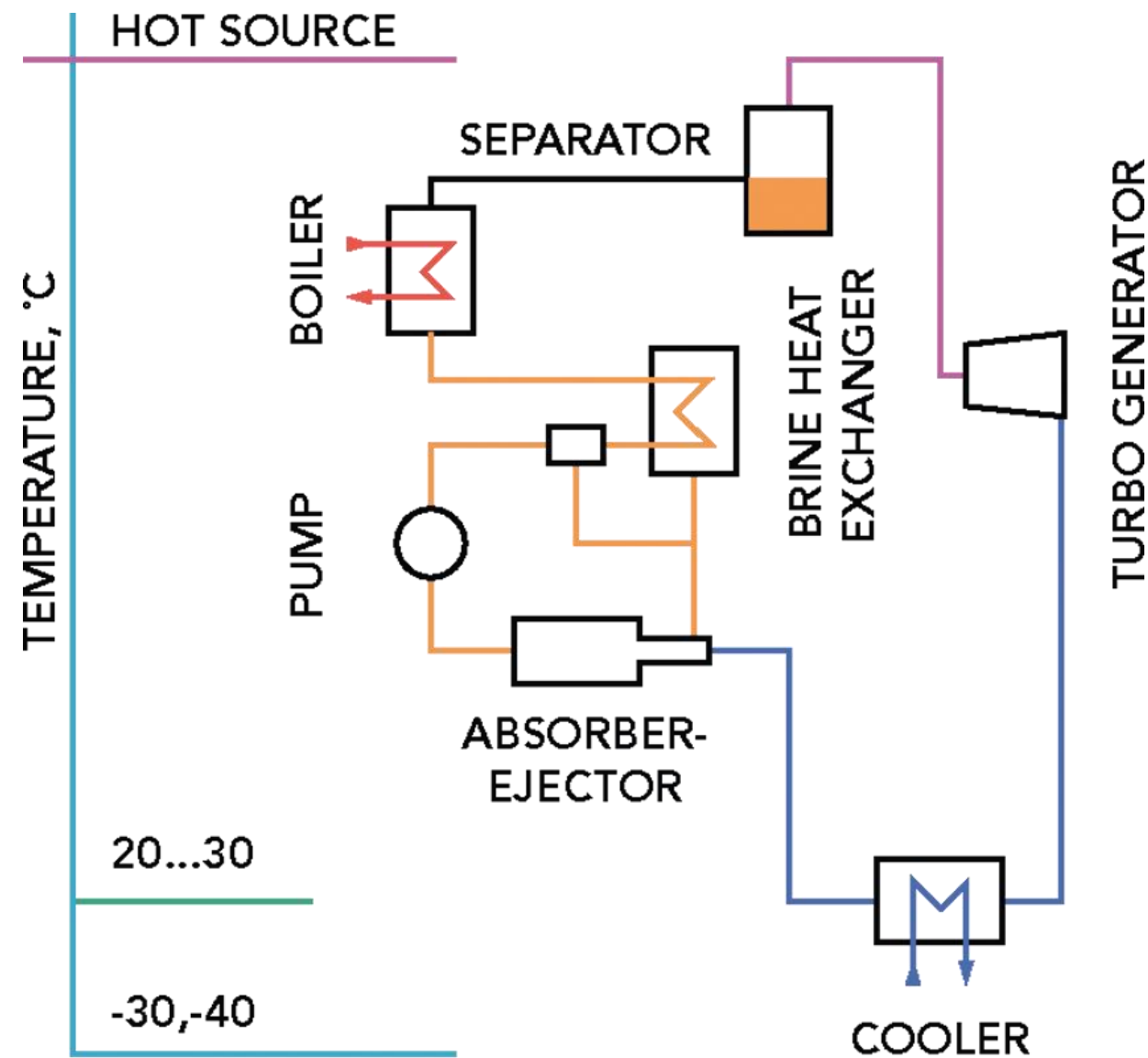


Biomass Energy
Producers
Waste Recycling



Steel, Chemical
Cement Industry

Solution









- Hot Source
- Vapor of Low Temperature
- Vapor of High Temperature
- Brine (Solution)

We have a breakthrough disruptive solution for generating electricity and cooling from low grade heat.

We are developing innovative thermodynamic cycle, based on our inventions, patents and know-how's.

It will allow us to generate electricity and cooling with an efficiency of 25-30% from any low potential heat power sources in the range 160-250°F or 70 – 120°C.

Our Benefits Are:

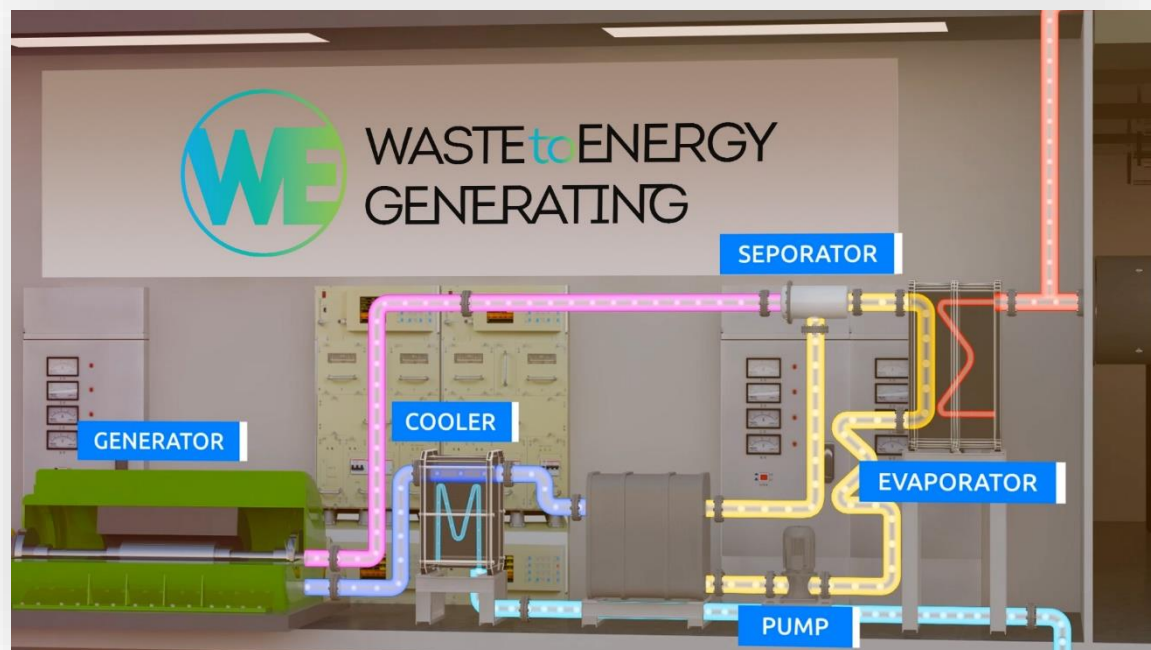
-  Energy generation from low grade heat $< 100^{\circ}\text{C}$
-  Energy generation efficiency at 25-30%
-  Capital cost reduction by at least 60% break even in < 4 years
-  100 mW of electricity from low grade thermal power can reduce CO₂ emissions by 151,000 tons
-  Energy Returned on Energy Invested EROEI will grow by more than 20%
-  Significant reduction in Carbon tax payments

We've Created Prototype To Proof of Concept.



The power generator prototype produces electricity from low grade heat energy in the range **from 160-250°F or 70 -120°C.**

We have **TRL 5-7.**



Our major goal is to generate energy and cooling from solar thermal energy in the range of **70-120°F or 20-50°C.**

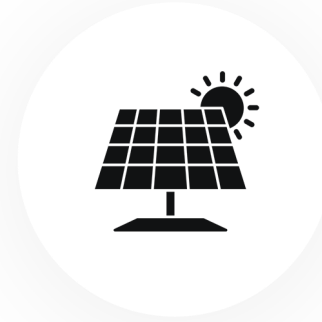
Our future partners and customers are:



Geothermal Power
Plants



Oil, Oil Sands &
Gas Industries



Solar Thermal
Energy



Thermal And Nuclear
Power Plants



Power Equipment
Manufacturers



Industrial Plants With
Large Volume Of
Waste Thermal Power



Biomass Energy
Producers
Waste Recycling



Governmental, Scientific
And Academic

Roadmap Of Development



Founders / Angels / \$270K		Governmental & Industrial Partners / Seed VC \$4M		Round A VC / F & F \$15M
2014 - 2019		2020	2021	
R&D, IP, Prototypes, MVP	Marketing, Focus Industries	Pilot Projects, IP Development	Commercialisation Sales	



WASTE **to** ENERGY
GENERATING

Generating a sustainable future
for generations to come

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