

TECHNOLOGIES & INNOVATIVE SOLUTIONS FOR "GREEN ENERGY"









RENERGY 1.618 s.r.l.

- Listed in the Italian Innovative Startup Register
- Patent DE 10 2017 002 286 A1
- From Thermal Energy to Mechanical Energy
- Highly Innovative Generation of Green Energy
- Energy Saving & Circular Economy Solutions

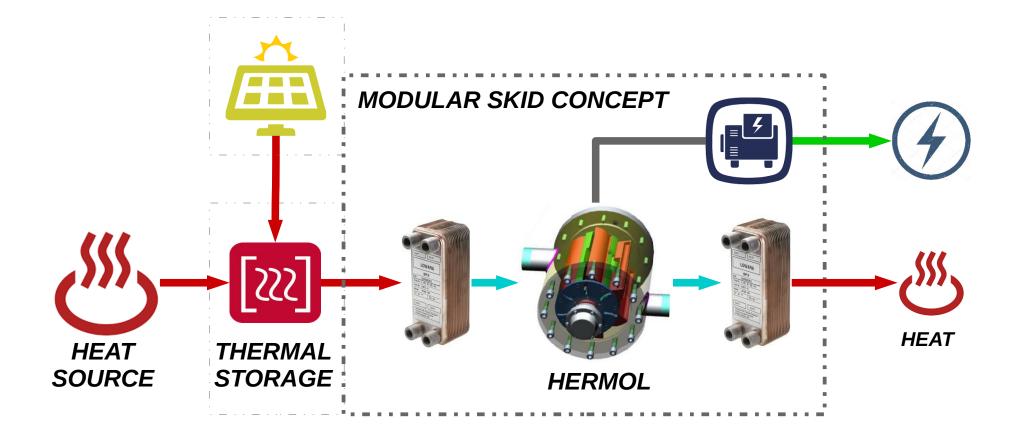


ТЕАМ

- Ing. Klaus Herrmann: Piping and Instrumentation designer for nuclear plants, chemical facility manager, energy facilities development manager, researcher, patent co-developer "HERMOL - SOLARIA"
- Ing. Manlio Molinari: Supervisor & project manager for nuclear plants, researcher for special materials to be used for combustion optimization and thermal insulation, founder of a hi-tech company for metal coatings, patent co-developer "HERMOL - SOLARIA"
- Ing. Federico van der Velden: Mechanical Engineer Master Degree; marketing & system Management (IBM), technical manager for HVAC & cogeneration control facilities; developer of control, supervision, measuring and energy monitoring systems; industrial energy management expert (ICMQ)
- Dott. Gianluca Pelizzoni: Law Master Degree, insurance agents network HR Manager, Head of Anti-Fraud Unit of an Italian insurance company, certified neuro linguistic programming (NPL) Coach, study center manager (Unione Italiana Agenti RAS – Allianz Group)
- Dott. Luca Pacifico: Economy Master Degree, business & marketing Analyst, Risk Manager and Head of Credit in the Egyptian subsidiary of Intesa Sanpaolo Bank

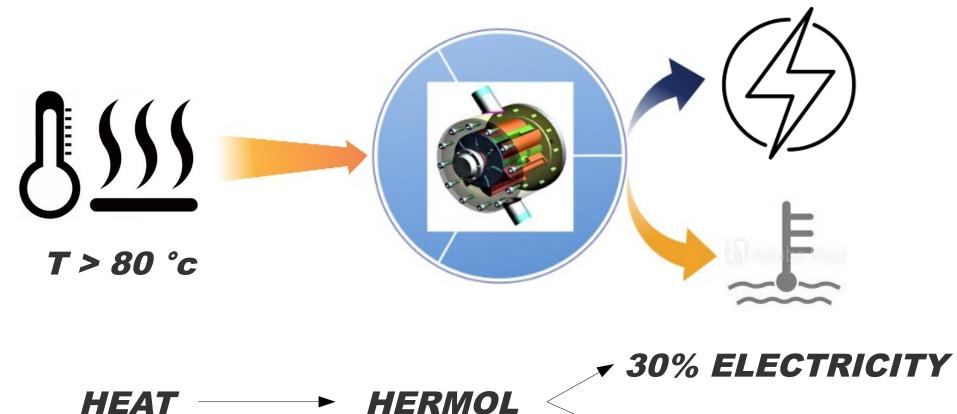


"SOLARIA" SYSTEM





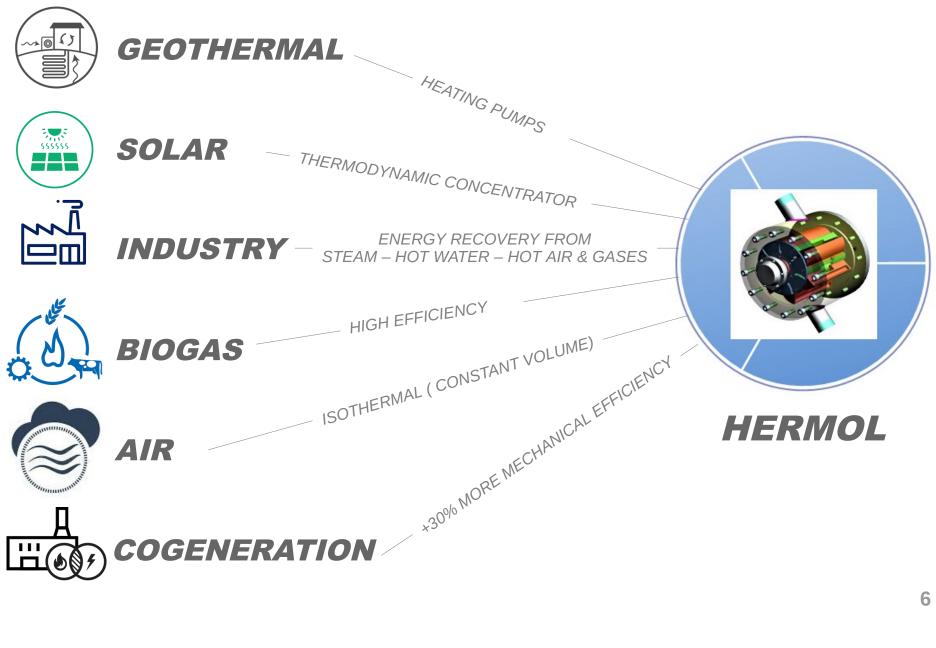
HERMOL FROM HEAT TO ELECTRICITY (patented)



70% HEAT



WORKS WITH ANY HEAT SOURCE





CONVENIENT



Service Continuity: 8.200 h per year



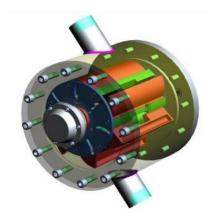
Efficiency > 20%



25 Years Lifetime



Less Replacement Parts



HERMOL 800 ... 1100 rpm



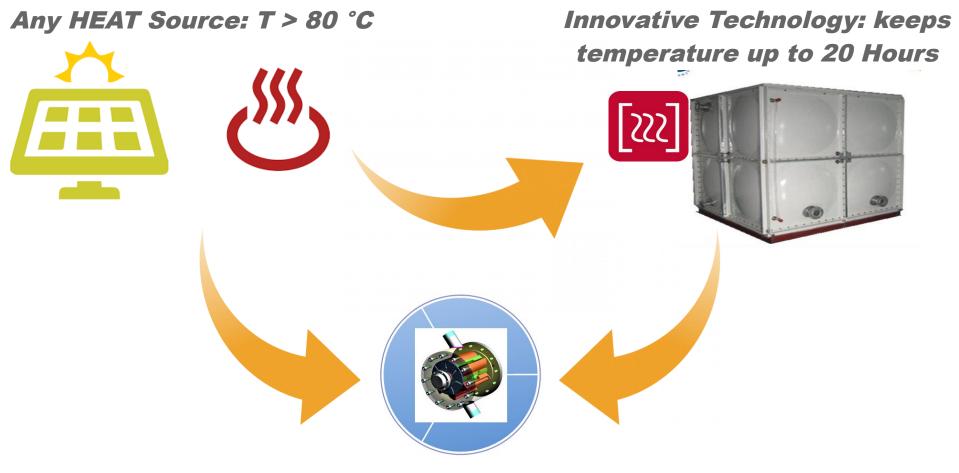
IoT – industry 4.0

Self-Lubricating



THERMAL STORAGE TANK

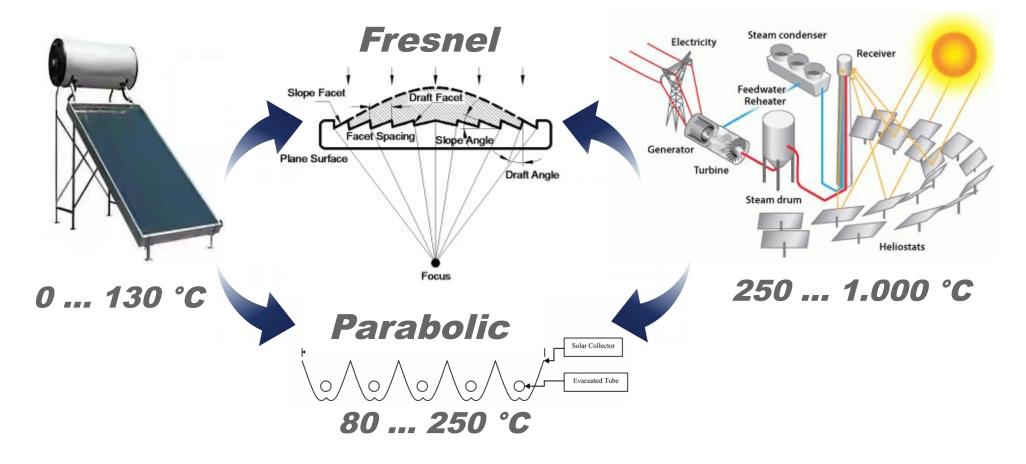
(patent pending)



HERMOL: continuous operating 24 / 7



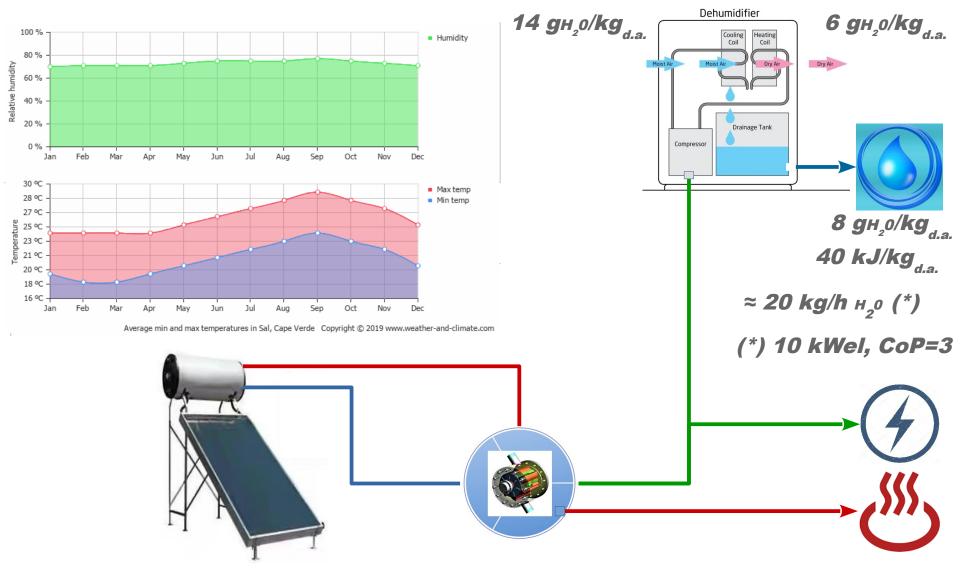
COMPOUND THERMAL SOLAR PANELS





WATER FROM AIR

(under development)





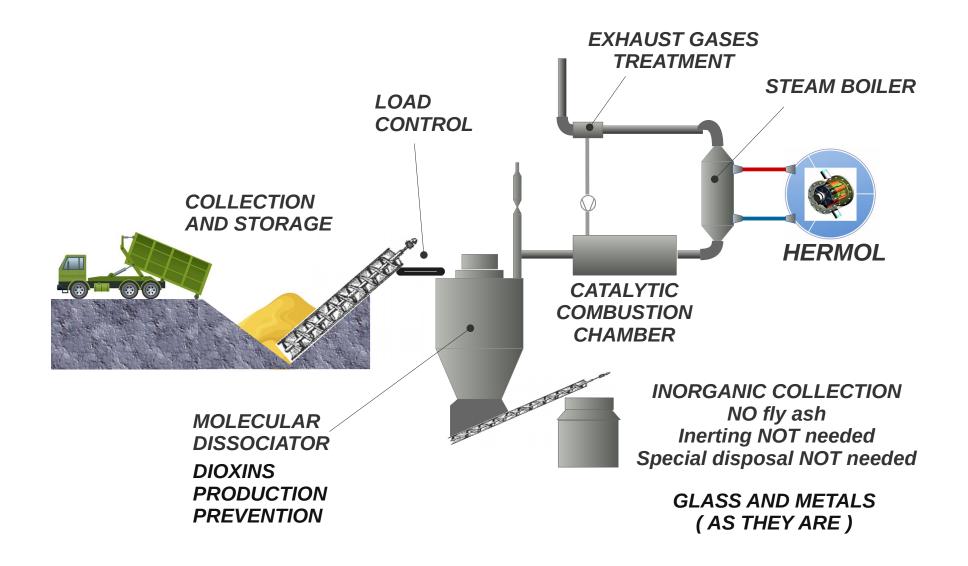
WASTE TO ENERGY SOLUTIONS

(feasibility study proposal)

- Universal technology for domestic & industrial waste processing
- NO need of waste separate collection
- Recovery of glass, metals and other raw materials, as they are, with limited amount of ash
- Low temperature molecular separation technology: NOT dangerous and NOT polluting, because of temperature control and catalytic combustion system
- Modular design: the plant size fits the waste amount
- NO emission of PMs and toxic substances
- The produced syngas will be straight converted into thermal and electrical energy

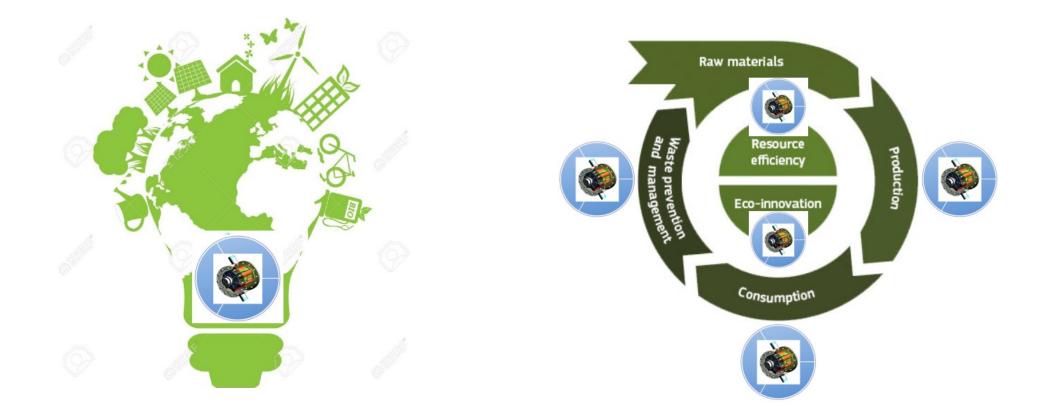


WASTE TO ENERGY: OUR PLANT





SUSTAINABLE, CLEAN ENERGY





WHAT CAN WE DO TOGETHER

NOW Green Energy From Heat

SOON Sun & Water

NEXT Waste Management Solution

(Feasibility Study) - (Pilot Project)



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