



Laboratory of Applied Thermodynamics

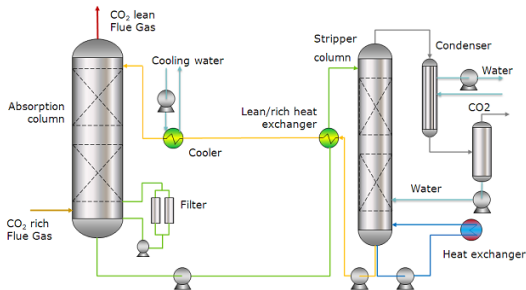
School of Mechanical Engineering
NATIONAL TECHNICAL UNIVERSITY OF ATHENS

Director
Dr. KORONAKI IRENE
Associate Professor

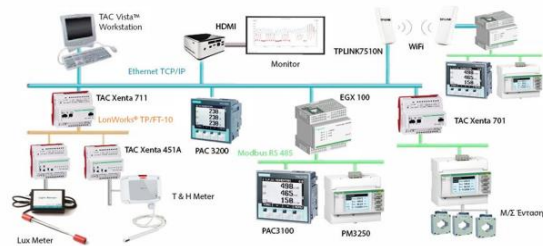


Research Areas

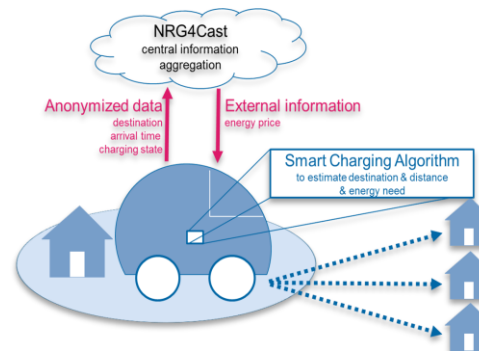
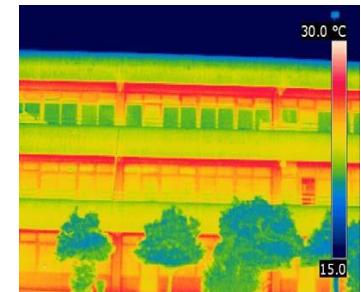
CO₂ capture



Energy Management



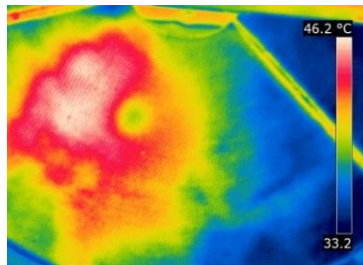
Built Environment



Resources - Main Activities

Support the built environment industry

Technical Assistance
Energy Audits in Industry **Technical Assistance**
Solar thermal and
Thermal Storage systems (PCM)



Energy Audits in Industrial applications



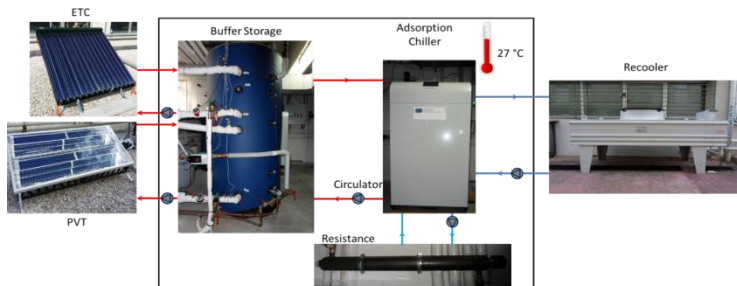
Design, Simulation (optical & thermal),
 Optimization of Solar Thermal Systems

Technical Assistance
Refrigeration systems



Design, simulation, optimization,
 certification of air-conditioning and
 refrigeration systems

R&D Projects





Laboratory of Applied Thermodynamics



LaThermo Team



Highly Skilled Professionals

2 Faculty Staff

10 researchers (Mechanical Engineers, Physicists)

Team's Expertise

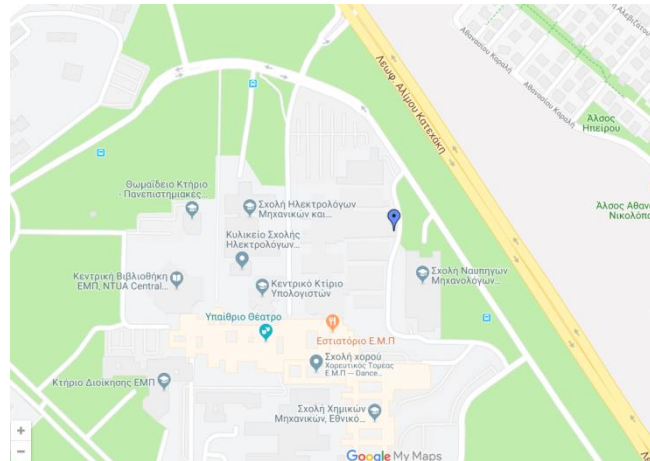
Design, Simulation, Optimization of
heat engines, refrigeration and air-conditioning applications, thermal storage systems
Optical and thermal simulation of solar thermal systems



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National Technical University of Athens
School of Mechanical Engineering
Thermal Engineering Department
Laboratory of Applied Thermodynamics
<http://lathermo.mech.ntua.gr/index.php/en/>



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