



Following the successful commissioning of the Quadritherm polygeneration platform at the «Cite des Energies” of the French Alternative Energies and Atomic Energy Commission, the CEA and Atoll Energy will introduce their solutions for a smart thermal microgrid with a solar thermal option.

Most of the energy used in power generation is wasted in heat losses; this is a major opportunity for energy efficiency that can be combined with solar thermal

Atoll Energy is introducing its worldwide innovation in polygeneration at the World Future Energy Summit to be held in Abu Dhabi starting next week. The event hosted by Masdar in Abu Dhabi National Exhibition Center, from January 19 to 22. The company designs and commissions smart thermal grid solutions that ensure energy savings from 30% under operation. Their latest innovations will be presented at the upcoming event.

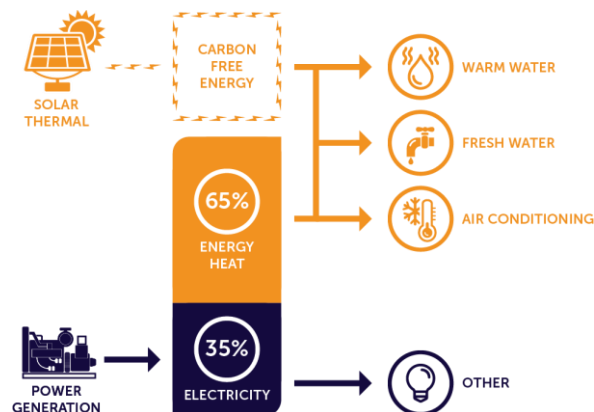
Two third of the fossil fuel energy used in power production from diesel generator is wasted in heat losses while most of the electrical consumption (cooling, refrigeration, hot water, desalination) could be supplied by heat driven machines. Atoll Energy, a French company, taps into this energy efficiency potential to supply for cooling, heating, and freshwater generation and therefore save energy.

Following the successful commissioning of the Quadritherm polygeneration platform at the «Cite des Energies” of the French Alternative Energies and Atomic Energy Commission (the CEA, a French government-funded technological research organisation), Atoll Energy and the CEA will showcase the waste heat recovery and solar based energy solution under the aegis of the France Pavilion, the French agency for international development.



Atoll Energy's Quadritherm combined power, heat, cooling and fresh water plant at the Cite des Energies of the French Alternative Energies and Atomic Energy Commission- the CEA Cadarache

In particular, the CEA and Atoll Energy will present their solutions for a smart thermal microgrid with a solar thermal option.



About Atoll Energy

Atoll Energy is a French innovative company created in 2010 that invested with several research partners to secure the most reliable and efficient smart thermal grid solutions. Its expertise and patents lie in heat recovery and in the process dimensioning and control of heat-driven technologies. The company provides for electricity generation (generators, alternators, motors, turbines powered by diesel, gas or biomass processing) and all or part of the following components, assembled into a unique energy architecture controlled by its software to ensure the highest possible energy savings:

Industrial refrigeration and air-conditioning: absorption chillers

Heating, drying: exchangers, very-high-efficiency heat pumps

Desalinated freshwater: Evaporation-condensation, humidification-dehumidification

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The French Alternative Energies and Atomic Energy Commission- CEA

The CEA is a French government-funded technological research organization. A prominent player in the European Research Area, it is involved in setting up collaborative projects with many partners around the world.

Cité des Energies – CEA Tech

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