Solar energy on demand: a dream comes true

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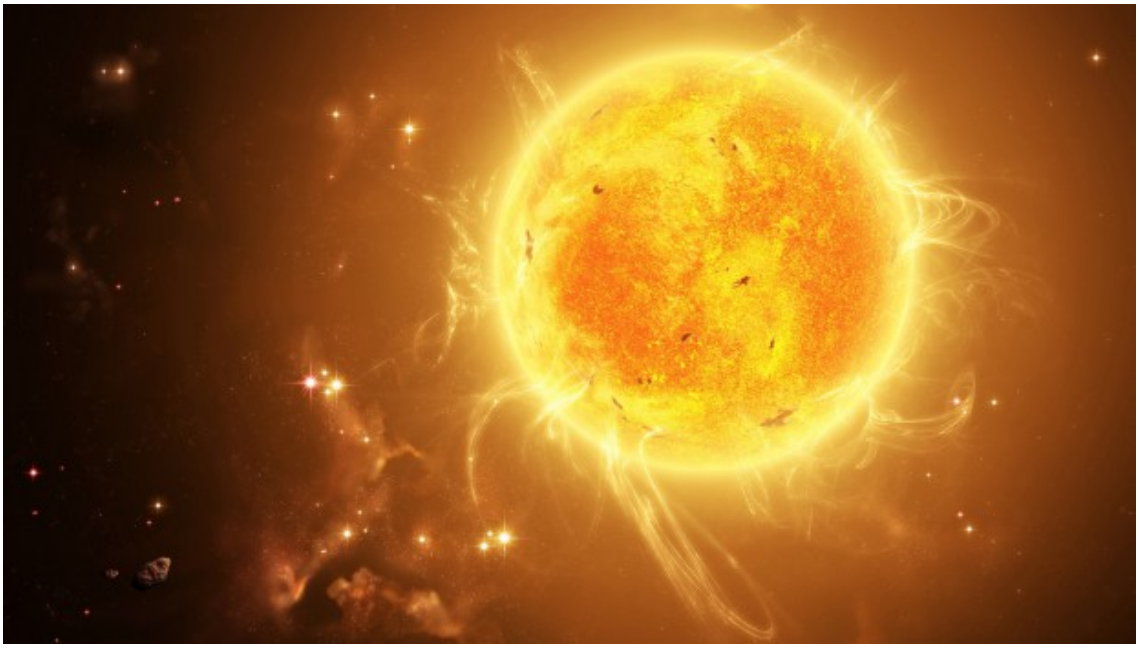

Who never dreamt of capturing solar power in order to use it later or elsewhere? Thanks to Swedish researchers, this is no longer science fiction.

The research started more than six years ago at Chalmers University of Technology in Sweden with a huge challenge in mind: creating a solar battery in order to benefit from heat on demand.

The result is stunning: now, one can store solar energy in a liquefied chemical form and convey it to another place, with a maximum efficiency of 80%. Thanks to the new molecules created, one can heat an item 100°C versus 10°C for current best systems.

Due to cost considerations, traditional heating will remain unaffected for now. But the new technique already found specific applications, like conveying heat in places that do not have full-time power.

If the Swedish team manages to solve the problems of toxicity and cost inherent to the new system, one can imagine charging mobile cooking devices or some other amazing usage in a near future.

Image: The sun (Image Source)