



**MISSION...**

To provide optimum solar powered system for sustainable development.



**SUNREFRI**

**Sunrefri Private Limited**



Our product is regarding solar powered refrigeration system which is **“Hot to Cold Energy Saving”** which aims at providing alternate power source to refrigeration system by using solar energy which is renewable source of energy. Industrial and domestic refrigeration systems currently work on AC mains supply on a large scale. The use of solar energy is not commercialized for refrigerators. Also, due to varying intensity of the solar energy received, storage like batteries is necessary. These batteries increase the cost of equipment and also require maintenance. In our product solar energy will be captured and provided at the same moment to the refrigeration system. This will eliminate the storage batteries. Also, as refrigerators do not consume electricity continuously, when one refrigerator stops using the energy we are providing a switching mechanism so that other refrigerators can be driven using the same energy thus utilizing the solar energy to its fullest.

Innovation and Entrepreneur Development Centre  
[Funded by DST New Delhi],  
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Sardar Patel Institute of Technology  
Munshi Nagar, Andheri [West], Mumbai-400 058



## Product Functions and Features



- Without using intermediate storage battery the system will harness solar energy in real time and will provide it to refrigerator.
- Battery-less system becomes cost effective and environment friendly.
- In case, if the solar energy is not sufficient to drive the refrigerator then the system will switch to 230 volts AC mains which is conventional power source. This way there will not be interruption in the system.
- Considering the fact that one refrigerator does not consume power continuously, it turns off for some time when adequate temperature is reached. During this time the available solar power will be switched to another refrigerator to make its fullest use.
- Apart from refrigerators, the system can be used for any other appliances as well which have the same requirements as that of refrigerators

### CUSTOM SOLUTIONS

We also provide customized solutions to the industrialists as per their needs.



### CLIENT SUPPORT

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**SUNREFRI**

Want to reduce your electricity bill by providing alternate power source to refrigerators? Visit us on,  
[www.sunrefri.com](http://www.sunrefri.com)