

# Sunrefri Pvt. Ltd.

Innovation & Entrepreneurship Development Centre  
Sardar Patel Institute Of Technology, Andheri(West)  
Mumbai-400058



Harsharaj Narsale (Director)  
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Sumit Suryavanshi (Joint Director)  
Rakesh Patil (Joint Director)  
Prof. Dr. Y. S. Rao (Joint Director)



Product: **Hot to cold energy saving**

Project : **Solar powered refrigeration system**

Sunrefri Pvt. Ltd. was established in the year 2012 by the promoters Harsharaj Narsale, Pratik Parab, Vijay Mulik at Innovation & Entrepreneurship Development Centre, Sardar Patel Institute Of Technology, Andheri(West), Mumbai.

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

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