



## Modular Heat and Energy you can carry

15<sup>th</sup> October 2020

Heavy atoms like Uranium release energy when they go through fission. Similarly light atoms like Hydrogen also release energy when they are subjected to Fusion. Many attempts have been made and being made exploring other materials and technics for generating sustained heat/energy where you need, when you need and how long you need, all safe and affordable.

Currently 5 countries are pursuing this blue sky research which is likely to change the Energy World. In India we, at the **Centre for Energy Research** (CER), which is a part of **S-VYASA University** in Bengaluru are pursuing this hypothesis for more than 5 Years of intense experimentation, theoretical analysis, brain storming reviews and perseverance. We are on the task of fulfilling the dream of every individual and every nation to realize such a standalone perpetual power or excess heat generator to be made available to everybody and everywhere.

Such a heater would be very optimum for satellite applications, space stations, military units, remote inaccessible locations and cold areas. We at the CER have been working for the last five years on experimental techniques and methods of generating excess heat through what is popularly known as **Cold Fusion (CF)** or **Low Energy Nuclear Reaction (LENR)**.

Mainly what is being done is triggering the atoms and molecules of metals like Nickel / Palladium

under different pressures of  $H_2 / D_2$  and temperature conditions in many forms and see whether we can get sustained energy in the form of heat for long durations in terms of several months without any additional inputs or attention. We in this bulletin are reporting and we are happy to inform that we have designed, developed and tried out a practical reactor over the last two years and now we are sharing the results with 50 W of electrical energy given as an input, the reactor is able to generate additional 50 Watts of excess heat for long durations consistently. At the time of release of this bulletin, this reactor has already completed more than 40 days of continuous generation of excess heat on a 24 X 7 basis and the total energy that has been generated so far is more than 60 Mega Joules.

We will be informing further news on this concept of low energy nuclear reaction in this fortnightly bulletin and would be happy to keep our well-wishers, users, supporters and also the researchers who are interested in this domain informed about further developments.

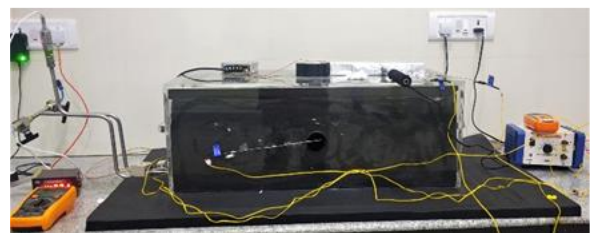


Figure 1: The reactor Setup

