

## A private investor's initiative in HTR technology in The Netherlands

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**ABSTRACT:** Sunergy, the largest private investor in photovoltaic energy in The Netherlands, has started an initiative with the aim of series production of a modular pebble bed reactor on a relatively short term. Provenness of the reactor and plant technology will be most important. The markets aimed for will be both industrial and industrialising, and the unit power level will be around 80 MWe. Sunergy's approach to the market is a mix of solar and nuclear energy: nuclear electricity will be used in the production process of photovoltaic cells, in this way decreasing the solar energy cost. As the production of solar cells will not match electricity demand in the future, this gap between supply and demand of clean electricity will also be a market for the selected pebble bed reactor.