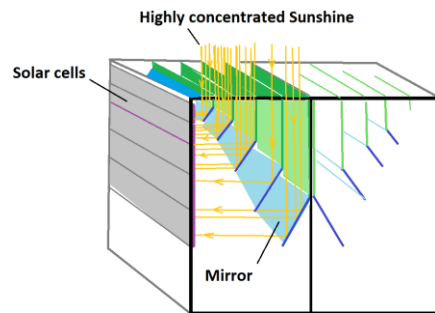


## A1 ENERGY® - THE "SOLAR CORE" IS COMING!

Author's reflection from 10.7.2023

*A way out of the current global energy crisis?*

*A new solar technology on the level of a nuclear reactor?*



**SOLAR REACTOR**

**A Current status:** according to all signals from the world, the technical aspect of current PV panels has probably reached its maximum peak. This is suggested by independent information from different continents. And if there is any increase in performance, it is only in units or tenths of the current values.

Solar energy sources, built only on current PV technologies, are therefore rightly classified only as "auxiliary", i.e. second-class. This handy cap is therefore catching up with the flat, so that in a while, to get the maximum solar PV power, it may be that we will no longer even see the sun for conventional PV panels. Everyone can already see how this is defacing buildings and reducing agricultural land. However, in the context of the energy crisis, this madness is tolerated! On the contrary, support grows according to political or energy order. The manufacturers of current solar components can therefore rightly "grease their pockets".

However, there are still countries that are not easily swept away by this mob madness and have a different perspective on the matter. Either they quietly tolerate/overlook the current trend, and keep trying to push old technologies that may otherwise serve as a very dangerous potential source of extreme danger to other populations, such as nuclear power plants, as a very tempting target for warfare, not counting the inherent human failings in their routine operation (not to mention the waste they produce), or looking to cash in on it by securing national or supranational subsidies, which they can then use to fund a host of other things under the "solar subsidy" and look "modern" and "with the times" to other countries.

Unfortunately, the Czech Republic is one of these countries, where not long ago a "solar entrepreneur" was nicknamed "suicide" or "fraudster" and the legislative level, or rather its shortcomings, were attributed to him and he was uncompromisingly literally excluded from "decent" society!

This article, however, is not intended to establish why and how this has happened and is happening, but to point out that an **extremely significant technological breakthrough** is taking place, for the benefit of all humanity, not just for the benefit of a few individuals. This article is to point out the fact that a completely new and concrete technological solution is already emerging that takes the

otherwise excellent idea of the existing PV cells to the level of a full-fledged energy source, using only very simple additions that many research institutes in the world, for their very scientific "research" and of course very good funding, have not even noticed! It is the optical gathering of the sun's rays and thus a much greater illumination of the surface of conventional PV cells, which will logically achieve a higher power output!

This sometimes results in a "geographic-energy" paradox, where two neighbouring countries, such as the Czech Republic and Germany, each pursue their own path in the search for new energy sources with quite different approaches. In one country they are closing nuclear power plants and in the other they are asking for international, and if possible financial, support for them!

**B Goal A1 ENERGY®** : the aim of the author's new solar technologies, which are based on several worldwide original patents, such as CZ 302600 or European patent number 3189285, is to increase the performance of the current PV technology as much as possible at the lowest possible cost, which he has managed to do not in percentages, but in **hundreds of percentages!!**

It can thus make maximum use of the already established PV production technologies, which can only be easily supplemented with additional components, which is probably difficult to achieve with other energy sources.

**The new German patent application of the author DRN No. 2023010215494600DE has the ambition to attack even nuclear power sources with its expected performance!!**

The aim of these new and extremely innovative work results is not only to find a solution to the current world energy crisis and to steer it into the future, but also to stop the vast areas of the Earth's surface being covered by the current old PV products - panels with their difficult installation, servicing and recycling. And of course durability.

Has anyone dared to calculate how much land area would have to be covered by this existing PV technology to at least partially meet consumer demands? Would it be 1/10th or 1/3rd? Who is going to stop this madness, which is supported by billions of dollars to develop "new" technologies, but which are astonishingly nowhere to be seen yet?

**C Solution:** The solution lies in the principle of a **magnifying glass/lens**, which can simply concentrate the flow of sunlight and thus increase the illumination of a conventional PV cell placed behind it.

**The 1st patent** with world priority CZ 302600 used this principle in static form. **The 2nd patent** also with world priority WIPO WO 2016/034156 A1 has already replaced the previous one and can track the Sun's orbit! So this replacement solution not only can produce more than 2x the electricity output of current conventional PV cells (already confirmed in the lab), but it already works ideally for the entire duration of the Sun's light and its path. Thus, the "working time" of the new solar technology according to these innovations is increased extraordinarily! A pleasant confirmation will be the results of at least a limited power production even from the moonlight.

In layman's terms: a conventional PV panel produced at the same time generates 500W. **1. the author's patent** raises this power in the ideal area to at least 2-2.5 times, which is at least 1000W! **The new patent** application is aiming for a 7-10 times increase in the power of the original PV cell, so 3,500-5,000W!!! And there is technological room for further increases! The projected new values are in the case of the summed fictitious area of a conventional panel without the need for however large

areas and demanding auxiliary structures. For the new patent application, a 2D (!) version is already foreseen, so that almost no longer perceptible areas from the outside - areas of glare and thus undisputed protection of the actual new "solar construction".

The currently manufactured and deployed PV panels, which require a demanding surface and support structure, are subject to weathering, demanding approvals and many other demanding attributes, "work" with sunlight ideally only in about 3 hours per day. **The author's 2nd patent** can already extend this time by several times, ideally to the full time of day and the path of the Sun! Other beneficial points of this solution await us at moonlight. Of course, the geographical conditions for the use of these new products will be decisive, for example in the automotive industry, where the author's new "solar technology" can also be applied to car bodies, and thus in countries with high sunshine we will already be able to drive electric cars with unlimited range without the need for daily recharging and waiting at electric stations!

Each user will thus be able to choose the expected extra values according to his or her needs and price requirements - a level of new "solar technology" that offers several options with advantage.

**Of course, this is the basis of a new super technology that still needs a lot of work, but the path is already emerging. How this will be used by national politicians and investors is another matter. This is another matter beyond the author's control.**

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