

# News Review

## Nuclear Fusion in Greifswald, Germany

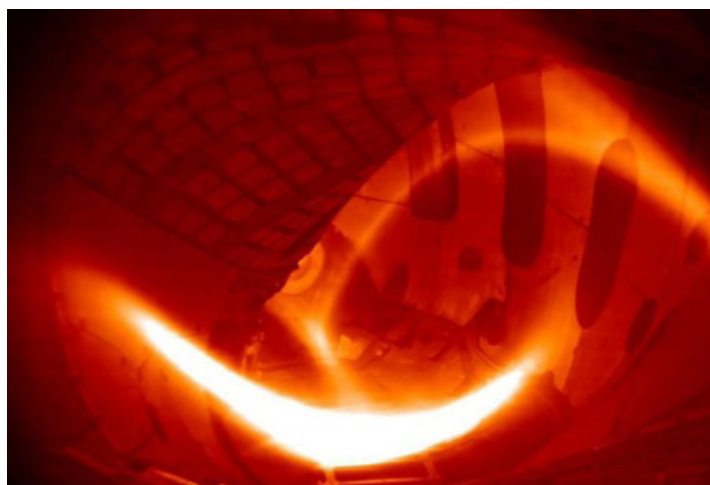
The plant appears like one spaceship weighing 1000 tons and is situated near a field in Greifswald in Germany. The big research plant with the official termination of a reconstruction on 9<sup>th</sup> August 2022 is ahead of a new experimental phase. The construction is sufficient. It goes now in commission and certainly longtime operation for a fusion reactor Type Stellarator. That is the real mission told the physicist and project leader Thomas Klinger on Tuesday, Wendel Stein 7 – x is complete. The view on further new knowledge for an alternative energy was with festivity celebrated. Federal Research Minister Bettina Stark-Watzinger confirmed the fundamental research for the fusion technology and with that further governmental support. “The fusion is a gigantically big chance for our energy supply and our independence in that sector” said the FDP Policy maker. When it succeeds in operation, through fusion to generate huge amount of energy. It could be a valuable contribution leading to discovery.

The reconstruction has the goal. The plasma to generate as before not only for a few seconds, but also for important longer time 100 seconds under moderate service, succeeded in Greifswald already. It is aspired now upto 30 mins. For the longer management with maximum temperature from 50 million °C would now 630 new water cool rings installed.

The total cost for the 1996 started project amount upto 13 Mrd Euro the cost for the plant itself amounts to 400 Mrd Euro financially supported by the Federal State and European Union.

**Source:** VDI nachrichten, 12 August 2022, Nr. 16, Seite 4

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**Caption:** The first hydrogen plasma in Wendelstein 7-X 2016 existed for  $\frac{1}{4}$ <sup>th</sup> second at that time. In future it should exist for 30 mins.

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