

**Aeerstatica, Ballonbau Wörner, FormTL and PTS have joined into a strategic partnership to build a prototype of a new, highly economic and efficient wind power generation system. The companies aim to make available renewable energy cheaply and around the clock, to help keep the environment safe and healthy and to reduce the dependency on fossil fuels.**

- **Aeerstatica has patented the technology of a wind generation platform, which can generate off-shore levels of electricity cheaply, with low invest and maintenance, without shadows, noise pollution or endangering birds. .**
- **Ballonbau Wörner, FormTL and PTS have the necessary knowledge to build the airships which are the platform of these wind power plants.**
- **Maiden flight and Proof of Concept is planned for mid-2022.**

Ravensburg based Aeerstatica offers a new, patented concept for cheap and safe wind generated electricity. The wind energy is harvested at altitude by an airship and sent to the ground station over the mooring wire. Aeerstatica airships can be used at high altitude – away from buildings – permanently, for decentralised supply without becoming becalmed.

“The airships of Aeerstica are an innovation for generation of renewable energy. We are convinced they will replace most conventional on-shore wind turbines.” David Gerber, CEO of Aeerstatica explains, listing the advantages “highly economical, no shadows, high availability, low environmental and optical impact, mobile, low noise pollution and no danger to birds.” The concept is designed to make any location a potential wind energy location. With the concept from Aeerstatica, there is a potential to reduce the dependency on expensive and unsecured energy imports.

Aeerstatica and their partners PTS Maschinenbau in Dillingen, formTL in Radolfzell and Ballonbau Wörner in Augsburg have joined into a strategic partnership to bring their specialist knowledge together for building a first prototype.

Contracts to this end have been signed by all partners. “We’ve now done our homework to do our part for the renewable energy transition and towards independence from fossil fuels. Now we start building!” was the summary by Johannes Gerber, CTO der Aeerstatica, of the goal. The first flight of the proof of concept are planned for summer 2022. “We were enthusiastic about the idea from the beginning and are looking forward to making the outer envelope and the gas cells for the prototypes and later – as we plan – the series products.” was the explanation by Benjamin Weigl, manager of Ballonbau Wörner, for the motivation of the specialist for manufacturing aerostats. This enthusiasm is shared by Gerhard Fessler, project manager of FormTL and Thomas Philipp, manager of PTS Maschinenbau: “The simulation of the prototype and the scaling to full size look plausible!” confirmed Gerhard Fessler, and Thomas Philipp added: “we are looking forward to bring our expertise in building structures to the project so it flies!”

The first flight is planned for summer 2022 at the Innovationspark in Augsburg.

**Aeerstatica UG (haftungsbeschränkt)** is a Ravensburg-based company, aiming to support the energy transitions through building and operating arial power generation.

**PTS Maschinenbau GmbH** of Dillingen on the Danube has extensive lightweight structure experience.

**formTL ingenieure für tragwerk und leichtbau gmbh** of Radolfzell near lake Constance have experience with simulation for loads and structural design.

**Ballonbau Wörner GmbH** from Augsburg is an innovator for technical textiles in Aeronautics in the design and manufacture of gas cells and envelopes for aerostats.