

# Press Release

Dresden,  
April 16, 2019

## Past Meets Future

### autartec® house completed at the F60 exhibition mine

The harbor at Lake Bergheide now accommodates its first inhabitant. The floating autartec® house – developed within a growth core project funded by the Federal Ministry of Education and Research (BMBF) – is designed to enrich the Lusatian Lake District with its unconventional look and a multitude of implemented novel technologies.



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Starting in 2014, companies, universities and research institutes from the regions of South Brandenburg, Saxony and East Thuringia have been developing new materials and methods. Thus, various technologies for self-sustaining settlements and floating architecture have been established within the autartec® project. The official final event took place on April 16.

In particular, the use of innovative building materials from carbon concrete, the structural integration of energy storage units, the testing of water/wastewater treatment systems and the development of a comprehensive control system for the specific subcomponents are to contribute to an autarkic way of life.

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The construction of the house as a technology demonstrator started in the middle of last year under the management of the Fraunhofer Institute for Transportation and Infrastructure Systems IVI. The application scenario is oriented towards the energy and space requirements of a four-person household. The pontoon with a size of 175 square meters is the foundation for a two-story building with a wrap-around porch.

From the architect's point of view, the cubature of the house reflects the three facets of the autarkic areas of water/wastewater, electric energy and thermal energy, which have been defined in the project. Three interpenetrating cubes mold the sculptural look of the building accordingly. Designated surfaces of the house are ideally aligned to fit the respective energy yield. The overall composition draws upon a liberal and independent culture of living, based on modern technologies.

The floating house as a symbol for connected alternative energy concepts and modern culture of living offers many chances of becoming a cradle for further activities regarding new ways of life on both land and water.

## ***Further information***

[www.autartec.com](http://www.autartec.com)

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