

Neutron: the entire house turns with it

The Neo-Tracker PV is not a roof-mounted sun-tracking PV system, rather a house which rotates in its entirety. The solid base for this building concept is a cylindrical concrete container which can be constructed efficiently from ready-made concrete strips at a very small cost. The top floor of the building is on a rotating support, and follows the path of the sun with using its solar roof. The electricity revenues, which are increased by the tracking system, can pay back the cost of the entire structure over its service lifetime. Furthermore, there is a »Thermo« version of the building available with collectors on the roof. The surplus heat energy from the summer is stored in a long-term storage tank, and can then be used to heat the building in the colder months.

The first Neo-Tracker PV house is in Eichenzell, Germany, and further residential and office buildings are planned. The inverter stations are accommodated in two large solar farms of 4 and 6 MW_p in Spain and Greece, where Neo-Trackers provide extra energy yields. And there are also preliminary plans to keep livestock in such tracker houses. In Germany, 50 Neo-Tracker barns are to house farm animals in socially compatible groups. No need to worry about animals going »stir crazy«: the barns themselves do not turn around.



The house designed by Neutron does not have a tracker on the roof, rather the whole top floor follows the path of the sun. The rooms below benefit from a varied view.