



The highest efficiency ever experienced from any electric engine system

“At SolarWaterWorld (previous Institut für Solarschiffbau), we have been working with electric and Solar electric powered boats since 1996.”



Since 2002 we have used ASMO Marine, now Clean eMarine, as our engine supplier. The Thoosa systems have the highest efficiency that we have experienced from any electric engine system, which is of up-most importance if you want to rely on batteries and solar power.

We have used the Thoosa systems in powerboats, houseboats and now, also, in our new series of Solar Catamarans.

The Solar Cat presented here, SunCat 23, with a Thoosa 6000 installed in each hull results in an astonishing top speed of 16 knots. The cat is currently used as a Water Taxi on the Berlin waterways.

The SunCat 23 has also been made in a version for rental purposes, with a Thoosa 3000 installed in each hull. The top speed has been reduced through the engine controller to reach a max speed of 5 knots. This ensures 12 hours of cruising independent of the solar photovoltaic system.

We hope that more people will realize the potential of electric power-boating, bringing pleasure to your time at sea as well as sparing the environment of additional pollution.

Thomas Meyer - *Naval Architect*
Dirk Tegtmeier - *Engineer for Solar and Electric*



| Specifications | | Installation on SunCat 23 · 2003' | |
|------------------|--|-----------------------------------|------------|
| Situated: | Berlin (Germany) | Boat: | SunCat 23 |
| Installed: | 2003 | LOA | 7.30 meter |
| Installed by: | SolarWaterWorld AG | Beam | 2.50 meter |
| Previous Engine: | | Draft: | 0,75 meter |
| Electric engine: | Twin - Thoosa 6000 | Displacement: | |
| Propeller: | 3 blade fixed propeller – 14” pitch 10 | | |
| Battery Bank: | 48V – 220 Ah | Photovoltaic: | 600 Wp |