SUNYACHT CONCEPT GAWLOWSKI

Electric & Solar Powered Boats and Yachts

In 2023, SYC GAWLOWSKI will introduce, 00000 – five times zero technology:

1. ZERO FOSSIL FUEL
2. ZERO EMISSION
3. ZERO WASTE
4. ZERO GLASS FIEBER
5. ZERO RUNNING COSTS

++ ADDITIONAL USE

+ Charging electric vehicles
+ Energy grid storage

WHO WE ARE?

Mr. Jedrzej Gawlowski the founder of **SUNYACHT CONCEPT GAWLOWSKI** has over 30 years of experience in the area of electric and solar ship construction including: onboard electronics and propulsion systems, photovoltaic cells as well as various hulls making technologies including so called sandwich or aluminum combined design. His award winning designs are up to 30% more efficient than crafts currently available on the market making him a World Class expert in the field.

SUNYACHT CONCEPT is specializing in designing electric vessels mainly solar powered which include: luxury yachts, ferries, house-boats, speed-boats etc. The company is currently located in Velten, Germany however the intention is to relocate it to Poland the home country of Mr. Gawlowski.

ADVANTAGES OF THE SYC TECHNOLOGIES

- Efficiency of the SYC systems allows for **solar energy** to supply not only vessel's propulsion but also all onboard lighting and cooling systems.
- Superb hydro vessel design, dynamically optimized for reduced wave forming and **excellent port maneuverability**.
- Lightweight vessel construction using latest composite materials which increase structural strength and the **energy efficiency** very important in the water transportation sector.
- Simple operation and usage through **fully automatic recharge of the batteries**, rotating power trains, and step-free control of the bow thruster.
- Noiseless and **emission-free**, allowing the SYC vessels to operate at night and near residential areas.
- **Electrical energy** generated by the solar panels while idle can be used to maintain low temperature inside the vessel during hot summer days.

THE SUNYACHT CONCEPT
HISTORY

YEAR 2005 FIRST CREATIONS SOLAR WANDERBOAT SWAN AND 2007 SOLAR HOUSEBOAT SWAN II

In 1998 **YACHT CONCEPT** was formed and in 2011 was renamed to **SUNYACHT CONCEPT**, with a mission to develop highly efficient solar powered propulsion systems for leisure and commercial vessels.

SUNYACHT CONCEPT first creations were camper boats designed for exploration of European rivers and lakes accessible only for non-polluting vessels.

YEAR 2007 – 700 KM SOLAR TRIP TO BERLIN

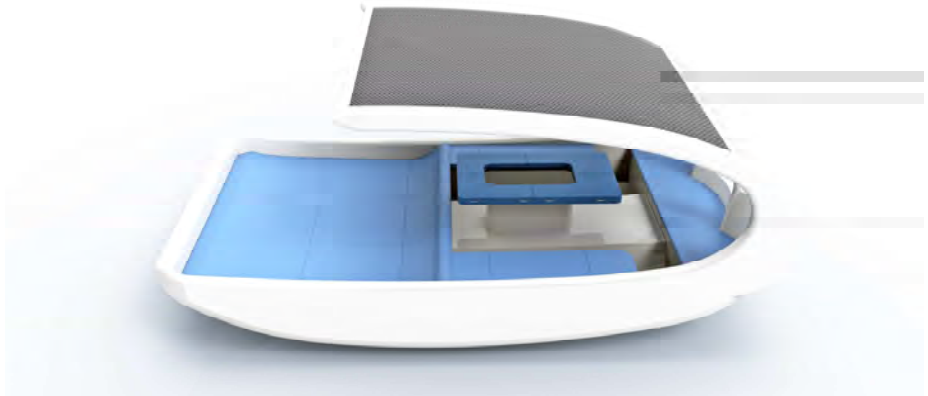
In Summer 2007 for the “Woche der Umwelt” event in Berlin, President of Germany Horst Köhler invited the best and the most innovative companies to present their environment friendly technologies. J. Gawlowski arrived with his solar-boats after travelling for over 700 km from Bydgoszcz-Poland to Berlin.

YEAR 2009 SOLAR FERRY SŁONECZNIK

Overall length	13.60 m
Overall breadth	3.10 m
Draught	0.50 m
Electric drive system	2 x 11,8 kW
Solar Generator	4500 Watt
Capacity	28 persons
Speed	14,0 km/h
Construction:	Hull/Deck: sandwich

'Słonecznik' was the first fiberglass-built Solar-Ferry in the World, which got the certification for inland waters operations. It is in service since 2009 in Bydgoszcz, Poland.

THE SOLAR BEACH CATAMARAN SYC 4200 LAURA



Overall length	4,20 m
Overall breadth	2,50 m
Draught	0,35 m
Electric drive system	4-6 kW
Solar Power System	1000 Wp
Energy storage for 8 hours ride at	5-6 km/h
Land connection with battery charger	6 A/230 V/50 Hz
Crew	4 persons
Speed	max. 12 km/h
Construction:	fiberglass

THE SOLAR WATER TAXI BOAT SYC SOLINA

Overall length	10.40 m
Overall breadth monohull	3.50 m
Alternatively catamaran	4.50 m
Draught	0.45 m
Electric drive system	2 x 11 kW
Solar Power System monohull	*6.000 Wp*
Solar Power System catamaran	8.000 Wp
Energy storage for 8 hours ride at	7-8 km/h
Land connection with battery charger	2 x 16 A/230 V/50 Hz
Number of passengers	12 persons
Speed monohull	max. 12 km/h
Speed catamaran	max. 16 km/h
Construction:	hull & deck: Al Mg Si

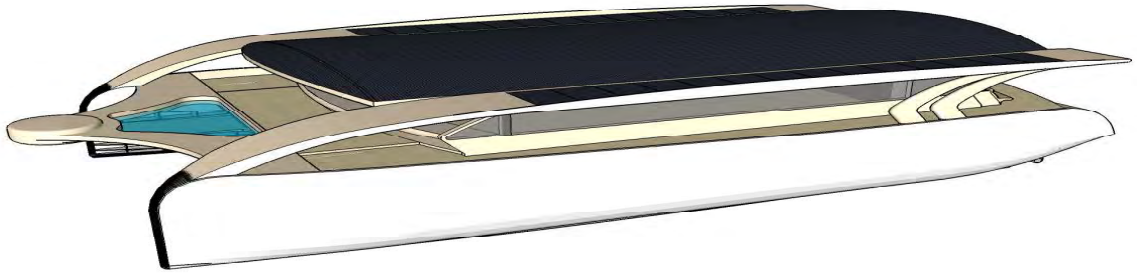
THE SOLAR TRIMARAN SYC 24.000 ILLUSION SOLAR SHUTTLE VISION FOR 150 PASSENGER

In the cities like New York, Toronto, Chicago, Miami, Baku Berlin, Paris, Amsterdam, London, Valencia, Dubai, Doha waterways make up the big part of them so why not use them for eco-friendly transportation.

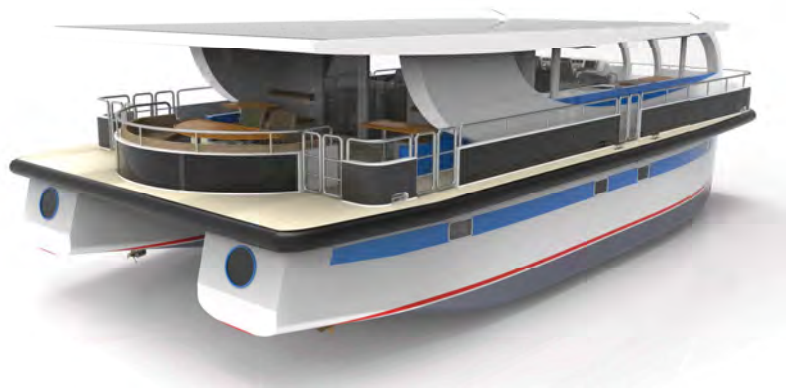
Water transport could be an easy way to offload the main system and at the same time provide additional attractions to the public.

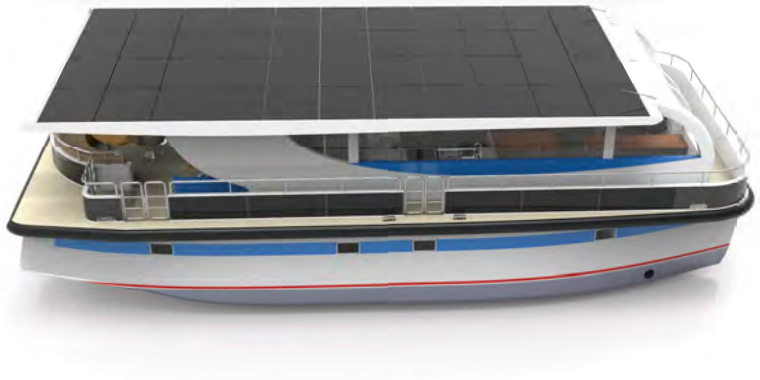
SOLAR SHUTTLE with its capacity of 150 persons would be an ideal building block of the solar water transport system of any City by the sea, lake or river.

GREEN, CLEAN, QUIET, EASY TO OPERATE AND MAINTAIN.



THE SOLAR CATAMARAN SYC 17.000 ŁOKIETEK 2 VERSION OF THE TRAINING RESEARCH VESSEL RENEWABLE ENERGY IN WATER TRANSPORT

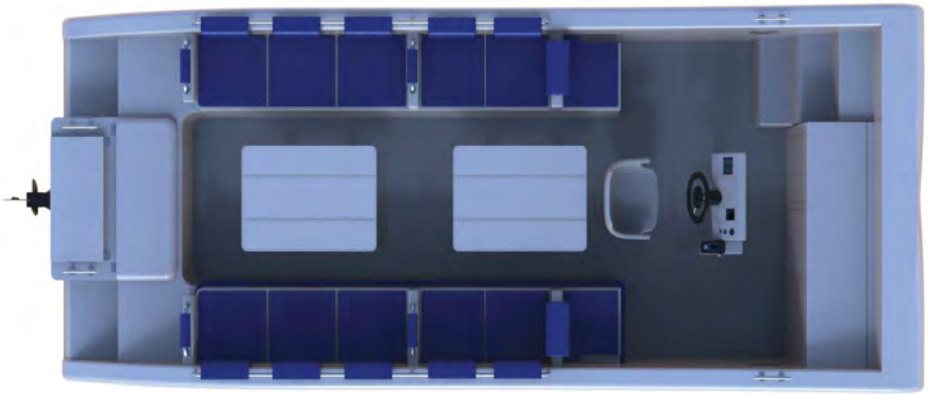




Overall length	17,00 m
Overall breadth	7,60 m
Draught	0,80 m
Electric drive system	2 x 25 kW
Solar Power System	22.000 Wp
Energy storage for 8 hours ride at	7-8 km/h
Land connection with battery charger	2 x 32 A/400 V/50 Hz
Crew	14 persons
Speed	max. 16 km/h
Construction:	hull: AlMgSi
	deck : sandwich

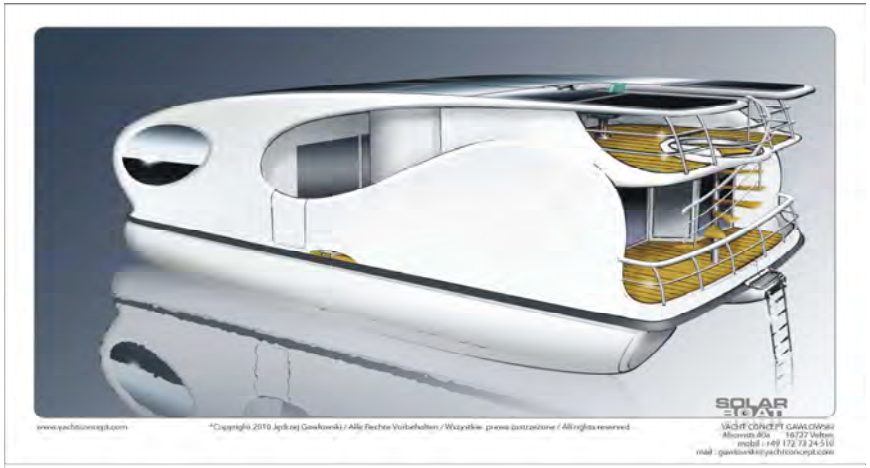
Full Authority Digital Engine Control
Fly By-Wire Steering with Docking Mode

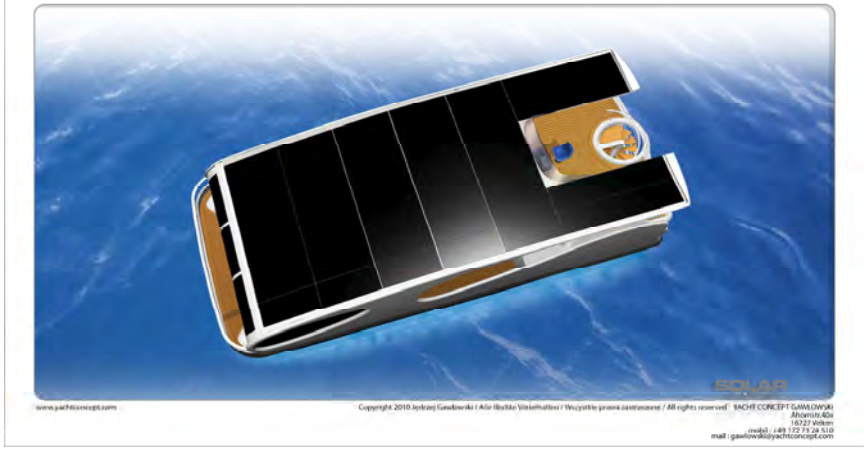
THE SOLAR TAXI BOAT SYC 6500



Overall length	6,50 m
Overall breadth	2,50 m
Draught	0,35 m
Electric drive system	11 kW
Solar Power System	2.000 Wp
Energy storage for 8 hours ride at	7 km/h
Land connection with battery charger	2 x 16 A/230V/50 Hz
Number of passengers	12 persons
Speed	max. 12 km/h
Construction:	hull: fiberglass laminate
	deck: GRP Airex cored sandwich

THE SOLAR MOTOR-YACHT CATAMARAN SYC 19.000 ORCA





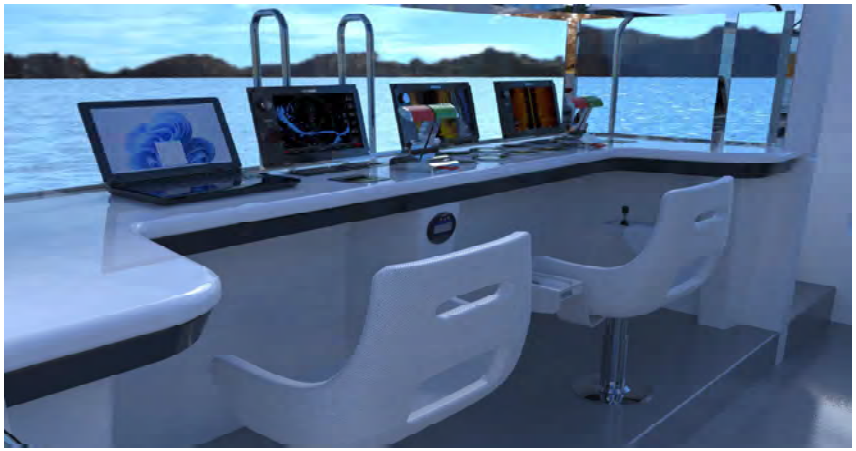
Overall length	17,00 m
Overall breadth	7,60 m
Draught	0,80 m
Electric drive system	2 x 25 kW
Solar Power System	22.000 Wp
Energy storage for 8 hours ride at	7-8 km/h
Land connection with battery charger	2 x 32 A/400 V/50 Hz
Crew	14 persons
Speed	max. 18 km/h
Construction:	hull-AlMgSi / deck –sandwich
Full Authority Digital Engine Control	
Fly By-Wire Steering with Docking Mode	

THE SOLAR MOTOR-YACHT CATAMARAN SYC 13.600 FAMILY

Overall length	13,60 m
Overall breadth monohull	4,80m
Overall breadth catamaran	6,30 m
Draught monohull	0,60 m
Draught catamaran	0,90 m
Electric drive system	2 x 15 kW
Solar Power System monohull	12.000 Wp
Solar Power System catamaran	16.000 Wp
Energy storage for 8 hours ride at	7 -8 km/h
Land connection with battery charger	2 x 16 A/230 V/50 Hz
Crew	6-8 persons
Speed monohull	max. 14 km/h
Speed catamaran	max. 18 km/h
Construction:	hull- fiberglass or AlMgSi
	deck- GRP Airex cored sandwich

Full Authority Digital Engine Control
Fly By-Wire Steering with Docking Mode

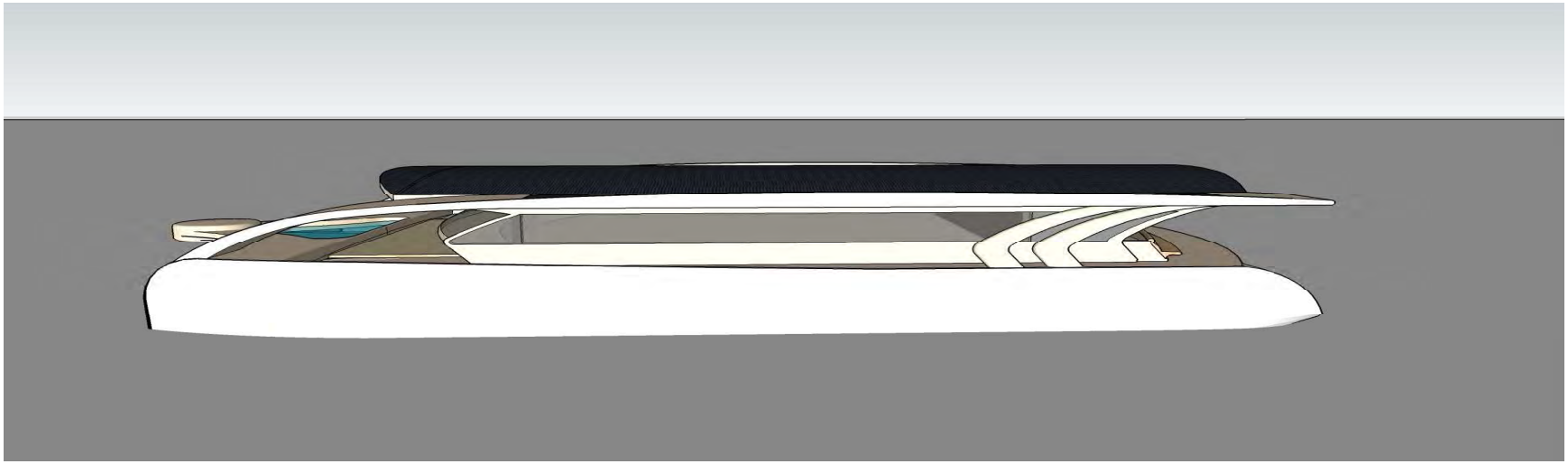
THE SOLAR WANDERBOAT SYC 9600 E-INDEPENDENT

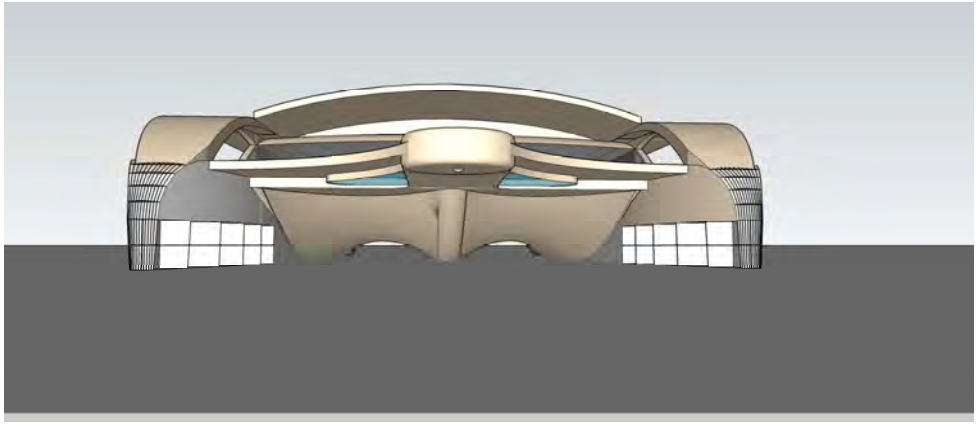


Overall length	9.60 m
Overall breadth	3.50 m
Draught	0.45 m
Electric drive system	2 x 11 kW
Solar Power System	9.600 Wp
Energy storage for 8 hours ride at	7-8 km/h
Land connection with battery charger	2 x16 A/230 V/50 Hz
Crew	6 persons
Speed	max. 12 km/h
Construction:	hull-fiberglass laminate deck sandwich

Full Authority Digital Engine Control
Fly By-Wire Steering with Docking Mode

THE SOLAR MOTOR-YACHT SYC 24000 S ILLUSION

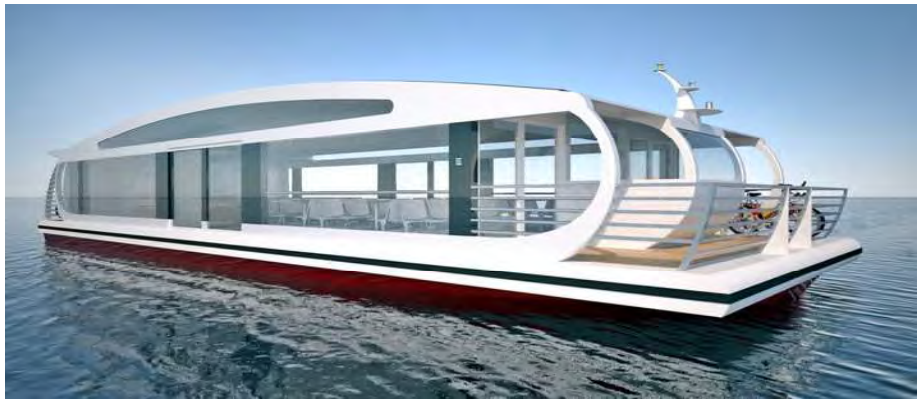




Overall length	24,00 m
Overall breadth	14,00m
Draught	1,40m
Electric drive system	2 x 50 kW
Solar Power System	38.000 Wp
Energy storage for 24 hours ride at	12km/h
Land connection with battery charger	4 x32A/400V/50Hz
Kite	200 m²
Crew	12 persons
Speed	max. 18 km/h
Construction :	hull: fiberglass laminate deck: sandwich

Full Authority Digital Engine Control
Fly By-Wire Steering with Docking Mode

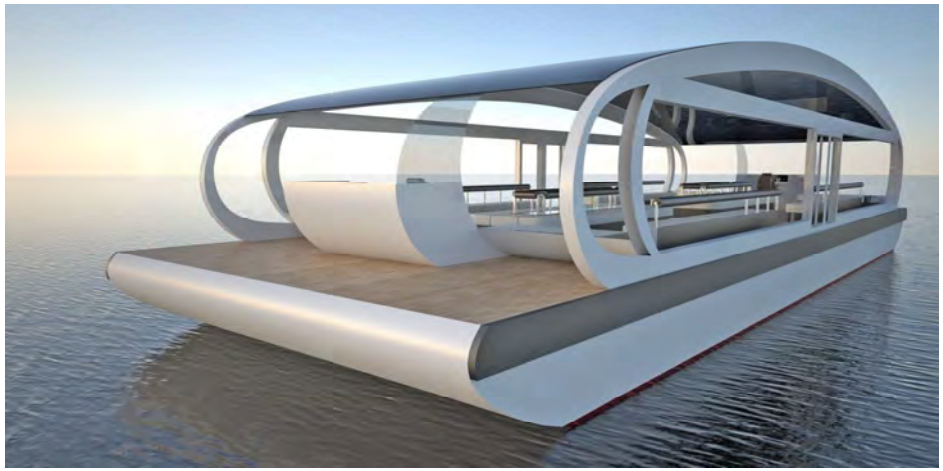
THE SOLAR FERRY FUNKA
CATAMARN SYC-90

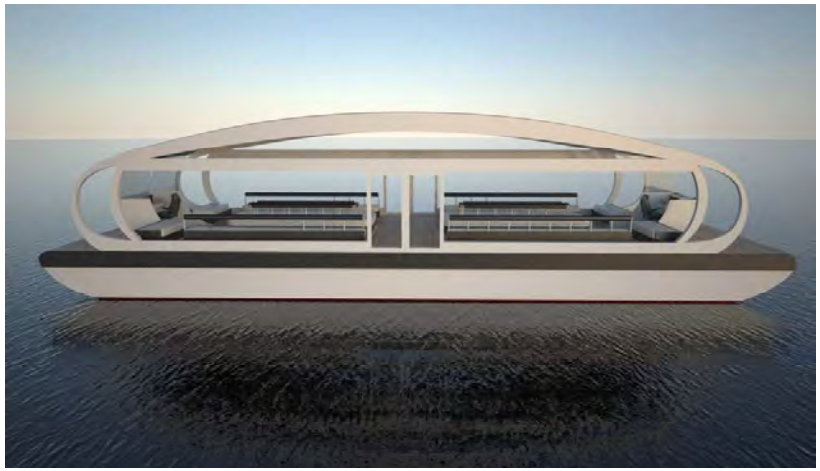


Overall length	19.90m
Overall breadth	7.60m
Draught	0.95m
Electric drive system	2 x 25kW
Solar Generator	30.000 Wp
Number of passengers	90 persons
Speed	max. 16km/h
Construction:	Hull/Deck Al Mg Si

Full Authority Digital Engine Control
Fly By-Wire Steering with Docking Mode

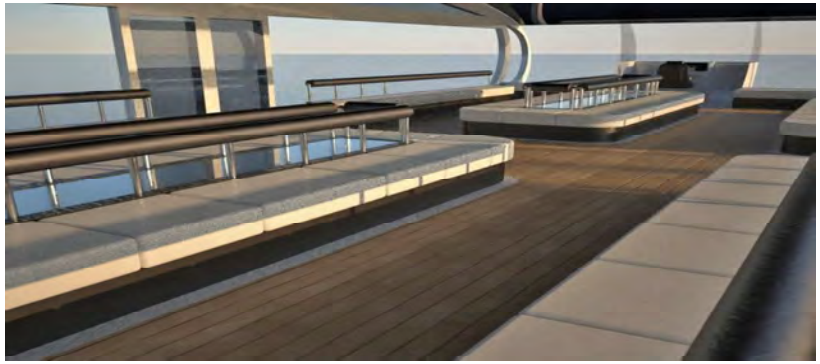
THE SOLAR FERRY SYC-80





Overall length	19.90m
Overall breadth	7.60m
Freeboard	1.20m
Draught	0.90m
Electric drive system	2 x 25kW
Solar Generator	30.000 Wp
Number of passengers	80 persons
Speed	max. 16km/h
Construction:	Hull/Deck Al Mg Si

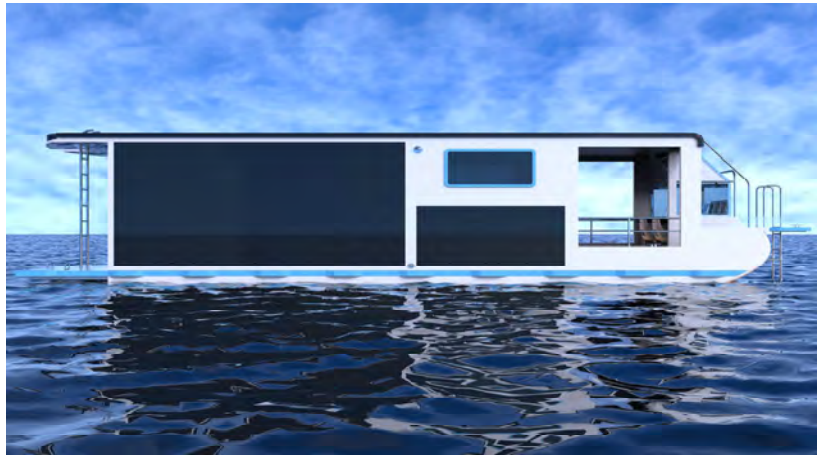
Full Authority Digital Engine Control
Fly By-Wire Steering with Docking Mode



THE SOLAR MOTOR YACHT SYC-9999 COOL

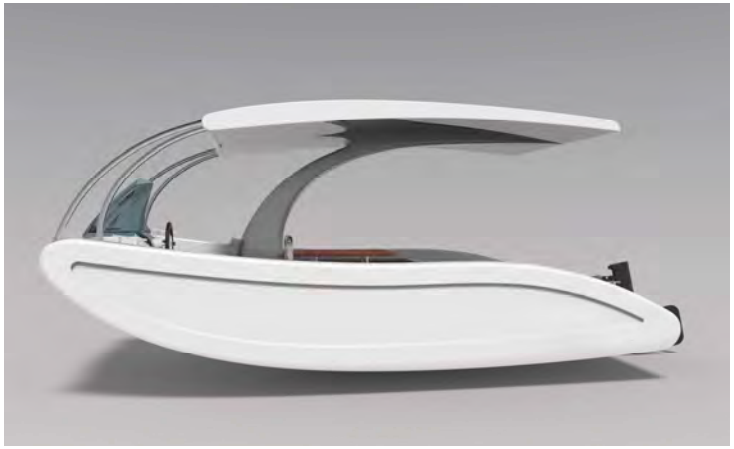
Overall length	9.99m
Overall breadth monohull	3.50m
Overall breadth catamaran	4.50 m
Draught	0.45m
Electric drive system monohull	2 x 11 kW
Electric drive system catamaran	2 x 15 kW
Solar Power system monohull	4.900 Wp
Solar Power system catamaran	6.500 Wp
Crew	4-6 persons
Max. Speed monohull	14 km/h
Max. Speed catamaran	18 km/h
Eco Speed	6-8 km/h
Land Supply point Electric drive system	2 x 230 V/50 Hz
Construction:	hull/deck: sandwich optional: Al Mg Si

THE SOLAR WANDERBOAT SYC 11100 SUNNY FOREVER

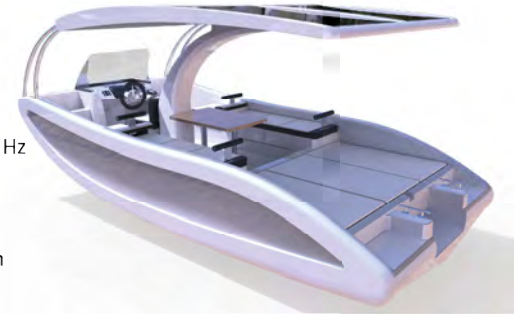


Overall length	11,10 m
Overall breadth	4,80 m
Draught monohull	0,50 m
Draught catamaran	0,80 m
Electric drive system monohull	2 x 11 kW
Alternatively in the bow 2 x 11 kW & on the stern	2 x 11 kW
Electric drive system catamaran	2 x 15 kW
Solar Power System	10.000 Wp
Energy storage for 24 hours ride at	7 km/h
Land connection with battery charger	2 x16 A/230 V/50 Hz
alternatively catamaran	2 x 32 A/400 V/50 Hz
Crew	6 persons
Speed monohull	max. 14 km/h
Speed catamaran	max. 18 km/h
Construction:	hull: fiberglass or Al Mg Si deck: sandwich

THE SOLAR BOAT SYC 5400 HOA



Overall length	5.40 m
Overall breadth	2.50 m
Draught	0.35 m
Electric drive system	6-11 kW
Solar Power System	1200 Wp
Energy storage for 8 hours ride at	5 – 6 km/h
Land connection with battery charger	16 A/230 V/50 Hz
Capacity	7 persons
Speed	max. 12 km/h
Construction:	hull: fiberglass
	deck: sandwich

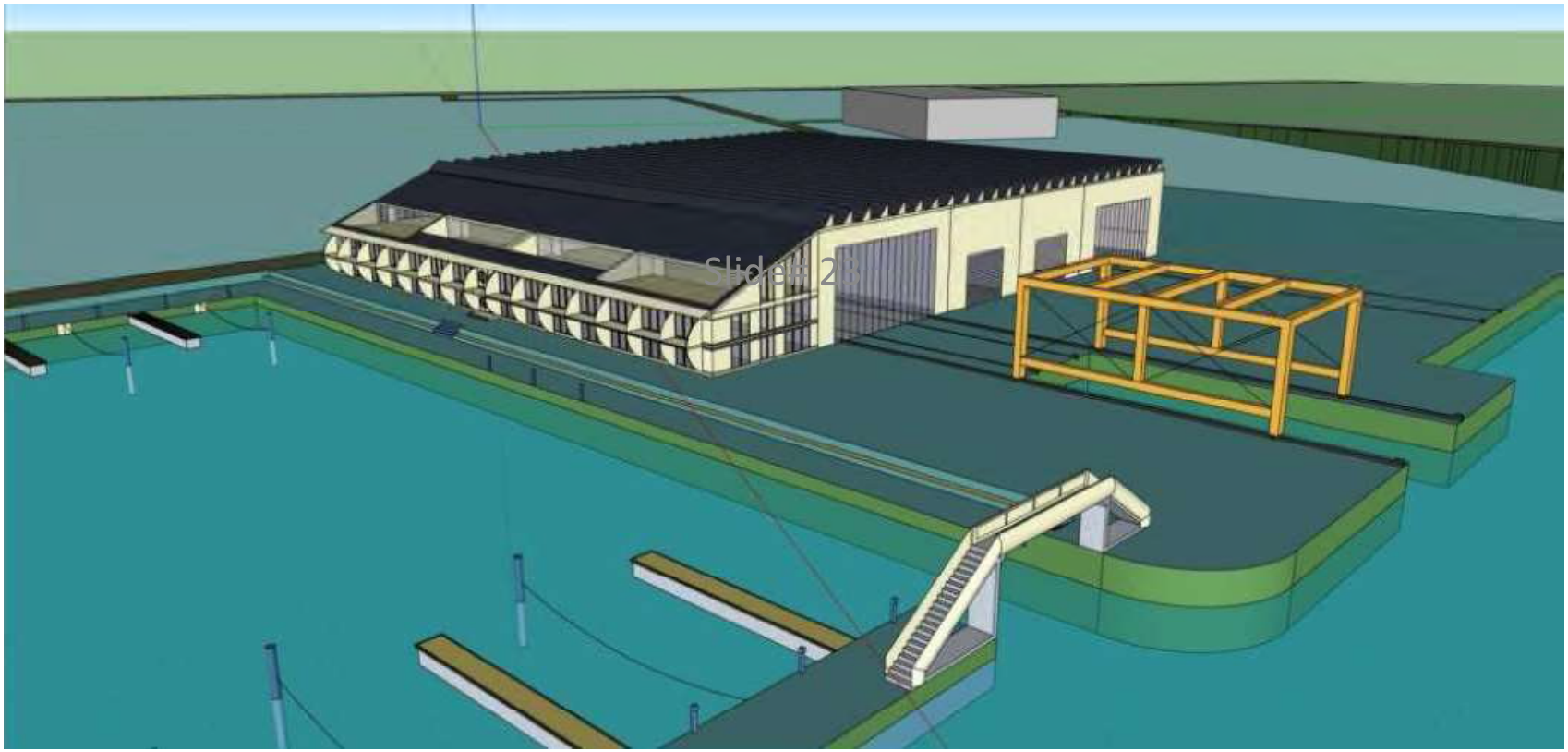


THE SOLAR CAMPER BOAT SYC 7777

Overall length	7,77 m
Overall breadth	2.50 m
Draught	0.35 m
Electric drive system	10– 12 kW
Solar Power System	6.300 Wp
Energy storage for 8 hours ride at	6 -7 km/h
Land connection with battery charge	2 x16 A/230 V/50 Hz
Crew	4 -6 persons
Speed	max. 10- 12 km/h
Construction:	hull fiberglass or Al Mg Si, deck: sandwich

BUSINESS PROPOSITION – SOLAR SHIPYARD & PORT

ENVISIONED DESIGN OF THE SHIPYARD AND THE PORT



BUSINESS PROPOSITION – THE VISION

The SUNYACHT will:

- Design and build solar yachts, ferries, speedboats, houseboats also special purpose solar boats i.e. school boats, floating restaurants, hotels etc.
- Renovate and service solar-electric or hybrid engine crafts and passenger ships.
- Develop and mass produce solar-electric or hybrid engine sports boats made of fiberglass and aluminum.
- Develop and mass produce components for solar yachts (Solar-rear spoiler, large-scale solar trees).
- Develop and mass produce electric motors for boats.
- Operate a solar charter fleet in Germany and in Poland.
- Provide Winter Services.
- Manage and service the Solar Port (crane, boat transportation, hotel houseboats).
- Distribute solar boat's components (E engines, batteries, PV modules, charging controllers, chargers etc.).

BUSINESS PROPOSITION – THE VISION

In order to initiate the solar boat manufacturing promptly, decision has been made to start the production of **'HOA' solar boat only**. That is the reason certain parts of the presentation have been grayed out. Negative forms preparation as well other parts for the prototype has already started in Miastko, Poland. The plan is to manufacture the hulls in Poland and install solar and electric systems, furniture and do the finishing in Velten, Germany.

In the future the vision would be to relocate the company and build a state of the art manufacturing facilities (TESLA like) in the optimal location in Poland and to bring the top shipbuilders on board. We strongly believe that the new era of renewable energy will greatly benefit all of us and the Vessels will be a big part of it making your investment a SUCCESS!