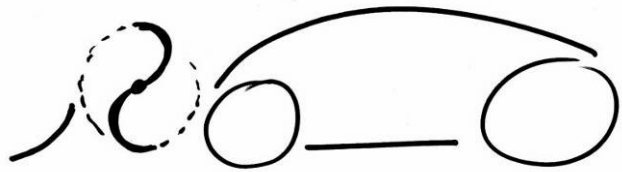


Press release



Utrecht, April 20th 2010

Participation in the World EXPO in Shanghai

Wind Turbine Car through the air

World EXPO Shanghai

The theme of the World EXPO is “Better city, better life”.

The World EXPO is held from May 1st until October 31st 2010 in Shanghai, China.

Next to the British Pavilion is standing the Dutch pavilion ‘Happy Street’, from the architect John Körmeling.

He asked Oskar de Kiefte to exhibit the Wind Turbine Car at the expo. Körmeling also give de Kiefte the assignment to make a square, electric car which makes the Rietveld Schröder House bigger when it is parked in the corner of the house. The Rietveld Schröder House is one of the copied houses in the ‘Happy Street’.

Wind Turbine Car

It is a vehicle which uses the wind power at the front of the car. There is a relation between the air resistance and the wind power which has to be generated, regardless of the speed ($E=mv^2$). In short, a wind turbine which is 1/3 the size of the vehicle can neutralize the air resistance completely.

There is another positive power: the effect from the air flow behind the wind turbine. The lee behind the turbine is three times the size of the turbine, in other words, exactly the size of the body! Besides, there is the rolling resistance from the wheels and the axles. Another opposed force: the force on the attachment points of the wind turbine.

The principle can work even better. It is imaginable that the air in the turbine accumulates and causes an overpressure. This stagnates the flow of air and the effects of the turbine. To prevent this stagnation, de Kiefte used Fan Shaped Wheels to create a vacuum force. This principle can be compared with the operation of a TWECS-turbine which gets 200% efficiency from the wind.

(TWECS = Tornado Wind Energy Conversion System)

A car is parked approximately 22 hours a day. When the Wind Turbine Car is parked, the turbine is placed in a way that it charges the batteries, regardless of the wind direction. This means that the car is completely self-supporting.

The design supports the idea. A simple and functional design makes the function of the car clear. For example, the wind turbine is fixed between the front wheels and in front of the body. The consequence is a completely new body-layout, which provides new opportunities.

Oskar de Kiefte created a horse-shoe shaped beam round the bottom. This is an aerodynamic shape which is so strong that it can hold the wind turbine as well as the hydraulic front wheel suspension. Because of the simple, half cylindrical body shape it is possible to make a sliding door, which opens by pushing it up, in the rounding of the body.

De Kiefte has worked together with another exhibitor, Frits van Breemen Schneider. Van Breemen Schneider develops airplanes and electronics. He changed the principle of the electric motor and he invented a small, light and very high efficient electric motor, used for cars. The engine with gearbox gets his release at the 2010 Beijing Autoshow right now. Van Breemen Schneider will build this 600 V-system into the Wind Turbine Car.

In conclusion, the car is going to be great!
A revolution, this innovation with a refreshing exterior.
You would almost think: "Here is my space Age again".
An example and experiment to use aerodynamics in another way.

Planning

Both the cars were put on transport to Schiphol. They were flown to Shanghai just before the volcano in Iceland erupted.

Oskar de Kiefte is in Shanghai from April 29th till May 18th.

The opening from the World EXPO is at May 1st.

The Dutch National Day is at May 18th.

I hope to meet you in Shanghai.

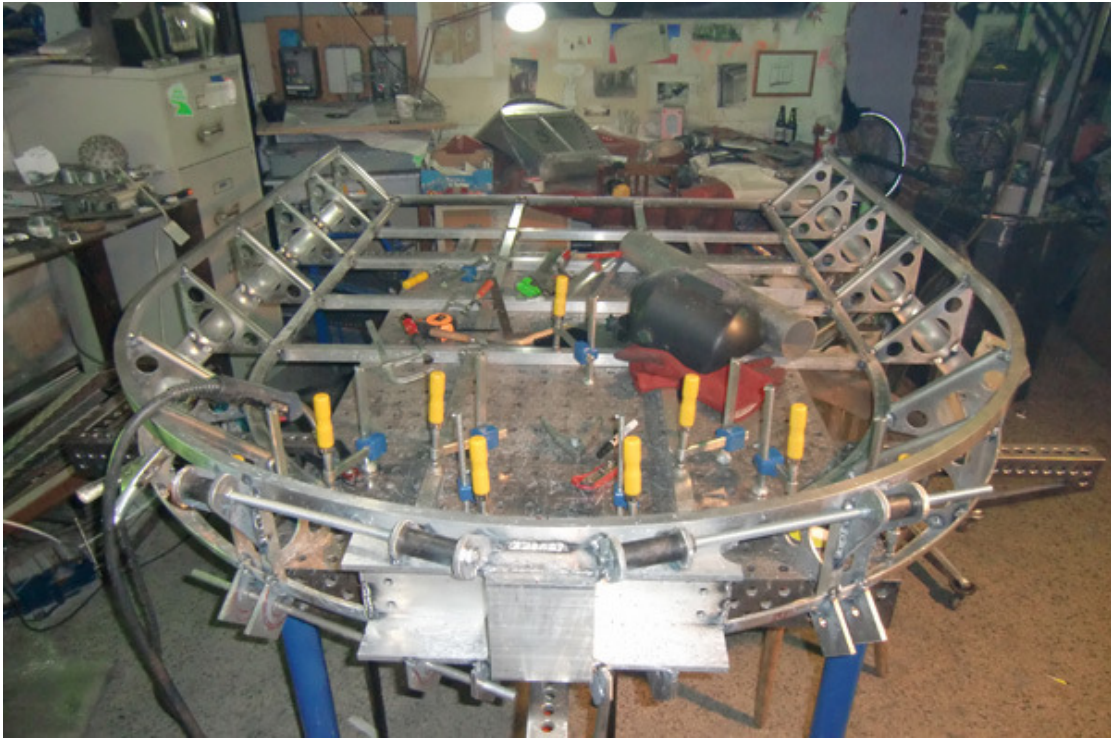
Yours sincerely,
Oskar de Kiefte

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History	:Oskar de Kiefte developed The converted Porsche 928 silver Aero , a car driving in the opposite direction for better aerodynamics.
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Photo page 1



Wind Turbine Car; chassis



Wind Turbine Car; sliding door drivers site



Wind Turbine Car; spoiler, wind turbine, suction by the front wheels



Wind Turbine Car; fan shaped wheels create a vacuum in the wind turbine

Photo page 3



Wind Turbine Car; inside



Engine and gearbox; it is small, light and very high efficient by Frits van Breemen Schneider

Photo page 4



Wind Turbine Car; ready for transport



Windturbineauto & Square Car; to the airport

Sponsor page



John Körmeling: the architect of “Happy Street”

