

If you're not doing some things that are crazy,

then you're doing the wrong things.

Larry Page, Google Founder

**WINGIT**  
COMMANDER



photo: Silent Yachts

# The earth has a fever, and the fever is rising!

Al Gore , former US Vice President/ Nobel Peace Prize winner/ environmental activist

In times of climate change and diminishing resources the question must no longer be "How much is a gallon of fuel?" but we ought to ask ourselves:

What is the real value of a gallon of fossil fuel not only for us but for our children and grandchildren? And what is the environmental impact when it is burnt?

It is high time to change something!

We believe that all propulsion technologies are useful. But the maximum benefit for you and the environment lies in an optimal combination of tried and tested systems with alternative propulsion methods based on renewable energies. You yourself choose the technology most suitable to the requirements of the respective situation and thus reduce harmful emissions considerably without giving up comfort and safety.

With a WingCommander RC Kite-propulsion system you can support or replace your conventional boat propulsion and actively help to preserve both the environment and the seas as well as scarce resources for later generations.





# WingCommander RC - Kite Control System of the World Record Holder!

## Set off towards a brand new horizon.

You'll achieve more with the WingCommander than just saving fuel.

### Unlimited Range

Currently, no other system can match ours in extending the range of a motor yacht.

Regardless of whether you propel your boat by kite alone or use it as an auxiliary engine, will help you achieve completely new aims. In 2021 Francisco Lufinha crossed the Atlantic Ocean in World Record time on a solely kite-propelled boat. **His kite system? A WingCommander RC!**

### A Plus in Safety

In case of engine failure, you have the possibility to manoeuvre into safe waters in a controlled way by wind power and thus are less dependent on external help.

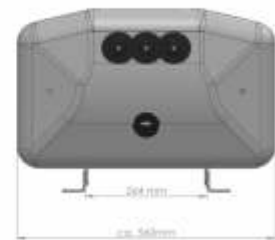
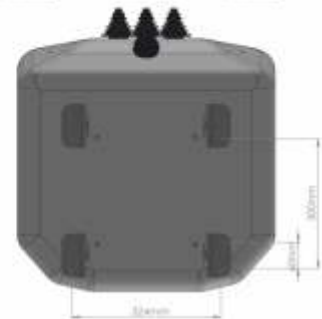
Since 2014 the Volvo Ocean Race Yachts have been carrying kites to provide emergency propulsion.

### Simply enjoy silence

Compared with a combustion engine, the WingCommander works almost without a sound. During the journey, you simply enjoy the view without disturbing noise, vibrations or the smell of exhaust fumes.

That is why our Partner **Silent Yachts** decided to equip their boats with a WingCommander RC.





Supply Voltage	24V
Input Power Ø	200W
Peak Current	150A
Line Length	25-150m

Line BRL	1150kgf
Line SWL	350kgf
Kite Size	5-20sqm
Control	man/auto

## Key Facts

### Fully electronic Steering

Power-consuming steering will be done fully electronically. This will make handling easy and manageable for everybody.

### Energy-saving propulsion technology

WingCommander's propulsion technology has been optimized for minimal energy consumption: the power rating is only 200W.

### Line lengths of up to 150m

Our line concept, especially designed and optimized for yacht use, allows the kite to be started even at low winds and makes it work efficiently at greater heights of up to 150m with stronger winds.

### Sailpower x 10

Performance is enormously increased by the operating height of up to 150m and the possibility of performing active flight figures. Thus the kite can provide propulsive force up to ten times higher than that of a conventional sail of similar size.

### Simple and intuitive steering

The kite is manually steered by joystick. Well designed operating controls allow intuitive handling.

### Automatic kite pilot

For longer distances, the autopilot can be set to take over control or you can choose to exercise manual control. Pre-defined flight figures may also be manually optimized.

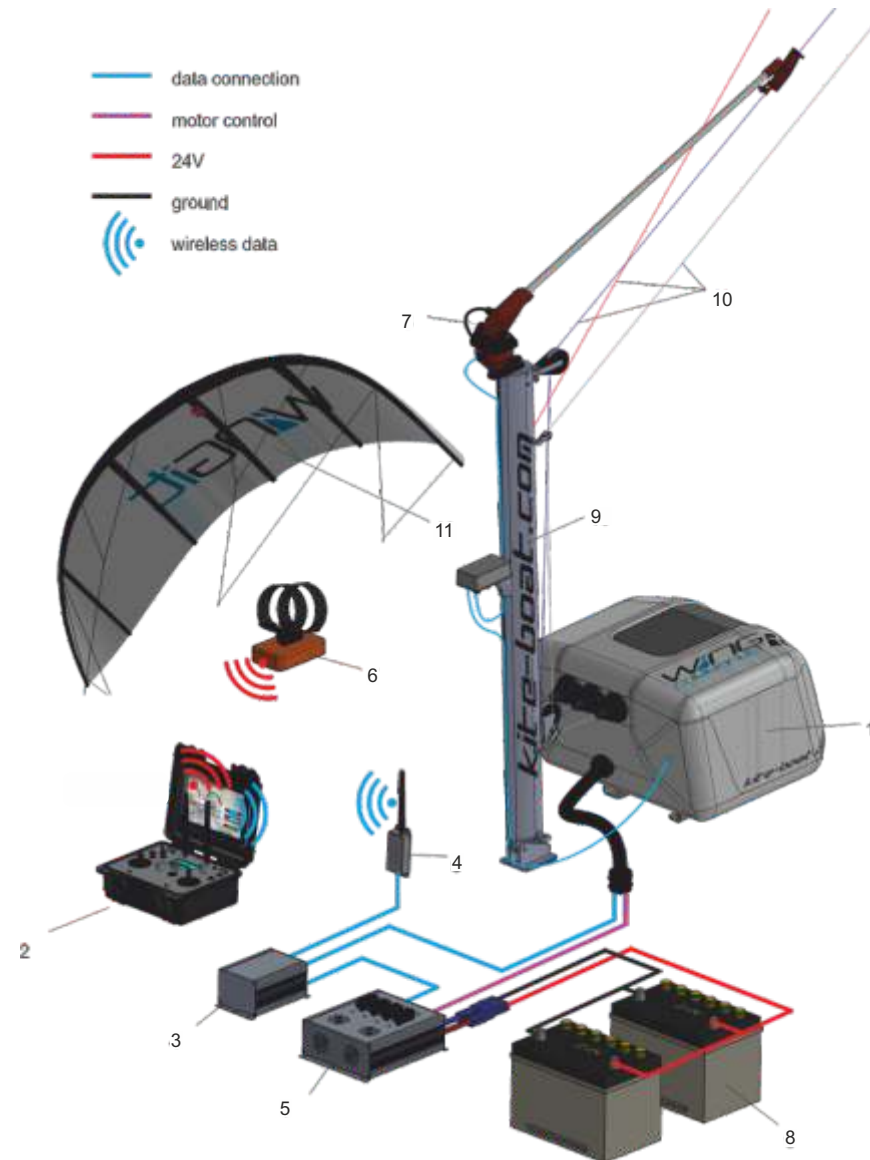
### Technically advanced kite wings

To enable you to benefit from further developments in this technically challenging sports device, our kite systems use different models of high-performance kitesurfing-kites. These are easy to handle, easy to steer, mistake-forgiving and, above all, very safe.



# System Components

- 1. Winch unit:** kite-steering mechanism
- 2. Controller:** Core of WingCommander RC. Here all sensor data is processed, transformed into steering commands and broadcast to the radio module of the CPU-unit.
- 3. CPU-Unit:** Here all sensor data and steering signals are bundled and processed.
- 4. Radio module:** of the CPU-unit
- 5. Motor Controller:** Unit to control the motors of the winch unit.
- 6. Kite Sensor:** Identifies the kite's exact position/altitude and transmits the data to the controller.
- 7. Line Sensor:** Identifies the kite's position in relation to the boat's course.
- 8. Batteries:** A 24-V- battery bank with min.100Ah provides energy for winch-unit operation.
- 9. Kite mast:** Raises lines' suspension point above railing height.
- 10. Kite lines:** Connects Kite and WingCommander and transfers power.
- 11 Kite:** Generates power.



# Pricing



	Price in EURO excl. VAT	Price in EURO incl. 19%VAT
<b>WingCommander RC Starter Kit</b>		
Kitecontroller+Remote Control+Motorcontroller.		
Line set: 150m, main line 900daN BRL steering lines 300daN BRL.		
Mast: size 130mm, length 1.2m, incl. rigging lines (without deck eyes).		
Tube Kite: Size 9sqm, prepared for autopilot, incl. bag und repair kit.	14.410	17.148
<b>High Load Upgrade</b>		
High Load Line Braking System		
High Power Motors		
High Load Mast: Size 180mm, length 1.2m incl. high power rigging and components		
Line Set Upgrade: 1190daN BRL main lines	2.585	3.076
<b>Autopilot Upgrade</b>		
Upgrade Remote Control: Assisted Kite Control for figure eight and hold zenith		
Kite Sensor: Sensor unit incl. high performance radio transceiver		
Line sensor Basic: light-weight line sensor unit.	2.530	3.011
<b>Sensor Upgrade</b>		
Line Sensor PRO: Higher accuracy, better handling, CNC-milled aluminum.	1.980	2356
<b>Installation</b>		
Base Platform: Mounting platform for mast and WingCommander anodized aluminum	880	1047
Mounting Back Plates: for mast and Kitecontroller	125	149
<b>Kite</b>		
11 sqm	1.570	1868
13.5 sqm	1.730	2059
15 sqm	1.850	2202
17 sqm	1.950	2321
19 sqm	on request	
<b>Accessories</b>		
Kitepump 2.0 XL: manually 2L	49	58
Kitepump: electric incl. LiPo battery	175	208

All prices ex works and under reserve. Our products are custom-build and differs between different type of boat. The pricing is just a benchmark. Please contact us for a special price for your boat.



# Developed to chase the wind

For more than 10 years, Stephan Schröder and his team have been developing the world's biggest selling Kite Control Systems for boat propulsion.

What once started with small beach catamarans and sporting competitions has grown into one of the most innovative and sustainable products in the maritime field.

WingCommander RC is a milestone in the development of alternative propulsion technologies for motor yachts. It opens up entirely new horizons for boat owners.



You can either watch something great happen

or be a part of it.

