**KITE DRIVE FOR YACHTS**

- Powerful Propulsion
- Automated & Fully Integrated
- Unrivalled Cruising Comfort
- Eco-Friendly
- Range Extension
- Reduced Fuel Consumption
- Increased Safety
- High Visibility
The SkySails Yacht System (SKS-Y-System) is the most powerful wind propulsion system in the world. By means of dynamic flight maneuvers, e.g., the figure of “8”, SkySails can generate up to 25 x more power per square meter sail area than conventional sails. Thus, already the smallest SKS-Y-System can substitute up to 250 kW of main engine power with a kite of only 40 m² in size in good wind conditions.

### Range Extension
Running your main engine on 0 - 50% while being towed by the SkySails kite, gives your yacht unlimited range and the ability to wisely cross the 5 oceans without being docked on deck of an expensive freighter.

### Automated & Fully Integrated
The SKS-Y-System can be operated from the bridge. Its automated control system performs the tasks of steering the towing kite and adjusting its flight path. All information on the operation status of the system is displayed in real-time on a monitor and easily accessible for the captain or kite pilot.

### New Comfort in Yachting
Motor yachts provide spaciousness and speed while sailing yachts offer emission- and vibration-free enjoyment. Cruising at sea is significantly more comfortable on a sailing yacht, but this is achieved with a disturbing inclined position. The automated SKS-Y-System combines the advantages of both worlds effortlessly: On a motor yacht fitted with SkySails, you can glide soundlessly and stable.

### Reduced Fuel Consumption
Whilst using SkySails in good wind conditions, the yacht's engines can run on 50% fuel consumption at same speed thus significantly reducing the fuel bill.

### Eco-Friendly
The operation of super yachts becomes environmentally friendly with SkySails since fuel consumption and therefore emissions are considerably reduced. This also has a very positive effect on the public image of the owner.

### Increased Safety / Eye in the Sky
If fitted with a surveillance camera on an area of 1.800 m² around the yacht can be observed, e.g., for anti-piracy missions. Additionally, the kite can be used as emergency take-home device.

### High Visibility
Due to its operation height of up to 300 m the SKS-Y-System has an unrivaled visibility and attention, e.g., for promotion and marketing.

### How it Works
The SKS-Y-System consists of three main components:
- A towing kite with rope
- A launch and recovery system
- A control system for automatic operation

Instead of a traditional sail fitted to a mast, SkySails uses large towing kites for the propulsion of the ship. Their shape is comparable to that of a para glider. The towing kite is made of high-strength and weatherproof textiles.

The tethered flying SkySails can operate at altitudes between 100 and 300 m where stronger and more stable winds prevail. The tractive forces are transmitted to the ship via a highly tear-proof, synthetic rope.

The launch and recovery system manages the deployment and lowering of the kite and is installed on the foredeck. During launch a telescopic mast lifts the towing kite, which is reefed like an accordion, from its storage compartment. At sufficient height the towing kite unfurls to its full size and can be launched. A winch releases the towing rope until operating altitude has been reached. The recovery process is performed in reverse order.

The entire launch and recovery procedure takes approx. 10 - 20 mins. each.

### Exclusivity Based on Robust Technology
The SKS-Y-System was initially developed for deployment in the commercial shipping industry. The latest product generation features a 400 m² fully automated kite capable of replacing up to 2 MW of a vessel’s main engine propulsion power. In order to meet the special demands of super yacht customers numerous customization options are available - for example logos and insignias can be printed on the towing kite and the start/landing mast can be adapted to the yacht’s design.
**SYSTEM OVERVIEW**

**About SkySails Yacht**

- Established in 2017
- Market and technology leader in the field of automated towing kite systems for yachts
- Draws upon 15 years of experience of its mother company SkySails Group GmbH which is renowned for its innovative towing-kite wind propulsion system for cargo vessels
- Worldwide patented technology
- Strong international network of strategic partners

**PRODUCT SCOPE**

<table>
<thead>
<tr>
<th></th>
<th>SKS Y 20</th>
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<td>Kite size</td>
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<td>40 - 60</td>
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</tbody>
</table>

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