

## Why choose One

The next generation of sails™

### 1. Exclusive technology

Since 2007 the OneSails design team have developed exclusive technologies to make one-piece continuous thread sails a reality for cruising and racing boats.

### 2. Performance

Features like weight, shape control and deformation resistance means better performance compared to traditional panelled sails.

### 3. Quality

M3™ and 4T FORTE™ membranes are exclusively made in Europe in our unique purpose built facilities ensuring that stringent manufacturing standards are maintained.

### 4. Design

The best sail shapes are the result of continuous analysis and experience. OneSails is at the forefront of the sailmaking industry, continually investing in research and development to ensure that the very best sail shapes are available. The success of this approach is confirmed by the vast array of racing trophies OneSails clients have won, competing at National, International and World Championship level.

### 5. Service

A core activity for every OneSails Loft is providing first class service, support and assistance. As part of our service commitment, each OneSails Loft has a team of experts on hand to ensure that we can deliver on our service pledge. In addition to a growing number of principle lofts, the OneSails Group has an extensive network of service centres strategically placed around Europe's coast line.



## Shape, design and analysis

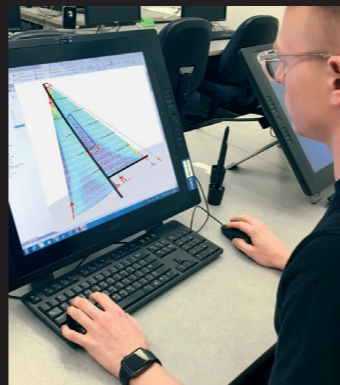
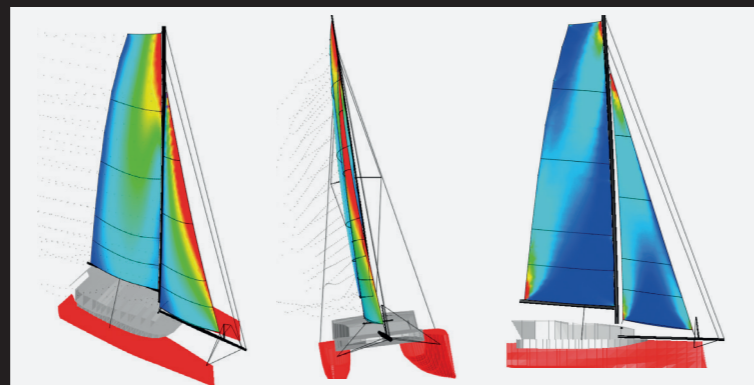
Every membrane sail undergoes a full FSI optimisation.

All of our lofts worldwide have access to a huge shared database updated in real time, containing thousands of sail designs from the World Champion Optimist mainsail to the biggest one-piece maxi yacht mainsail ever built. Records include construction and finishing details specified to industry leading standards.

One Sails' philosophy is to always be at the forefront of technology, and one vital contribution to this comes from our FSI analysis laboratory. FSI, Fluid-Structure Interaction, is a step beyond aerodynamic analysis (CFD), allowing real-life simulation where all the factors affecting sail shape are taken into account. Rig and sail interaction, air flow characteristics, (attached, unattached, laminar, or turbulent), plus material deformation are considered.



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## A deep expertise in developing multihulls sails.

The OneSails team has extensive experience of working with high speed sailing craft of all types, both multihull and mono hull. The team includes Santiago Lange, one of the most successful athletes competing in multihulls having won three Olympic medals. One recent project was the development of sails for the new 69F foiling monotype, which reaches speeds exceeding 30knots.



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# THE NEXT GENERATION OF SAILS™



[www.onesails.com](http://www.onesails.com)

# MultiHull

# Racing and Grand Prix Sails

## Performance over time!

With extensive experience in multihulls' club, regatta and grand prix racing, OneSails has earned its reputation at the highest levels of the sport both inshore and offshore. OneSails lofts have built sails for multiple National, European and World Championship winners in the most competitive one-design fleets.

OneSails racing and grand prix products are tailored towards the specific needs of owners who strive for the optimum combination of performance, reliability and durability from their sails.

The range of products suits every end use and the specifics of particular class rules; hi-performance woven cross-

cut and tri-radial panelled sails are complimented by a range of custom membrane style products that includes Vektor2™, M3™ and 4T FORTE™.

These exclusive products featuring continuous fibre paths allow us to build sails that are light with excellent shape stability when compared to similar products in the market place.

All sails, regardless of the construction type are customized to suit each boat and the particular requirements of the owner with each sail incorporating only the highest quality components in order to guarantee the maximum level of performance over time.

# Cruising and Performance Cruising

## Reliable and durable.

The high loads to which multihull sails are subjected require the use of specific materials, finishes and accessories.

OneSails produce sails and accessories designed and developed specifically to suit the needs of discerning owners who are looking for modern and functional technical solutions that improve sailing performance and their enjoyment.

The OneSails range of products is designed specifically with cruising in mind for boat owners who strive for the ultimate combination of performance, durability and aesthetics from their sails.

OneSails has a range of products to suit every end use

and budget including woven cross-cut and tri-radial panelled sails and a range of custom membrane style products that includes Vantage1™, Vektor2™, M3™ and 4T FORTE™. These exclusive products featuring continuous fibre paths allow us to build mainsails and genoas that are relatively light when compared to other similar products, yet which remain durable and easy to trim with performance well beyond that which can be achieved with more traditional panelled alternatives.

All sails, regardless of the construction type are customized to suit each boat and each owner's requirements. They incorporate the highest quality components in order to deliver lasting performance.



# Multihulls

## boat record (selected examples)

A Class	Catana 471
Catana 51	Crowther 45
Crowther 150	Dean 400
Extreme 40	Fontaine Pajot 50
Fusion 40	F18
Grainger 430	GC 32
Itacatamarans 14.99	Lagoon 520
Lagoon 570	Leopard 46
M20	M32

Neel 51



Orma 60

Privilege 50

Schionning Wilderness 1030



## Extreme Sailing Record



Vittorio and Nico Malingri

DAKAR-GUADALUPA

(2.500 Nm / 11 d-1 h- 9s)

Record sailing on a 6.50 catamaran not habitable catamaran.

OneSails 4T FORTE™ Naked sails.

# The next generation of furling sails

## Light and easy to handle without requiring an anti-torsion cable.

OneSails presents the IFS™ (Integrated Furling Structure), a new style of headsail and downwind sail construction which uses continuous fibre technology to create sails which can be furled without the use of a heavy and expensive anti-torsion cable.

IFS™ sails are designed to incorporate a net of continuous structural fibres, laid directly on to the sail's luff, effectively replacing the cable.

The advantages of this technology are considerable. A wider range of sail shapes can be set and furled with sail handling eased by the reduction in weight.

Thanks to the lower halyard tensions needed, 30% - 35% less than used with anti-torsion cable, it's possible to avoid the need for a 2:1 halyard, reducing the sprit load and improving safety.

