IFS MULTI
TRADEWIND SAIL

THE PROBLEM

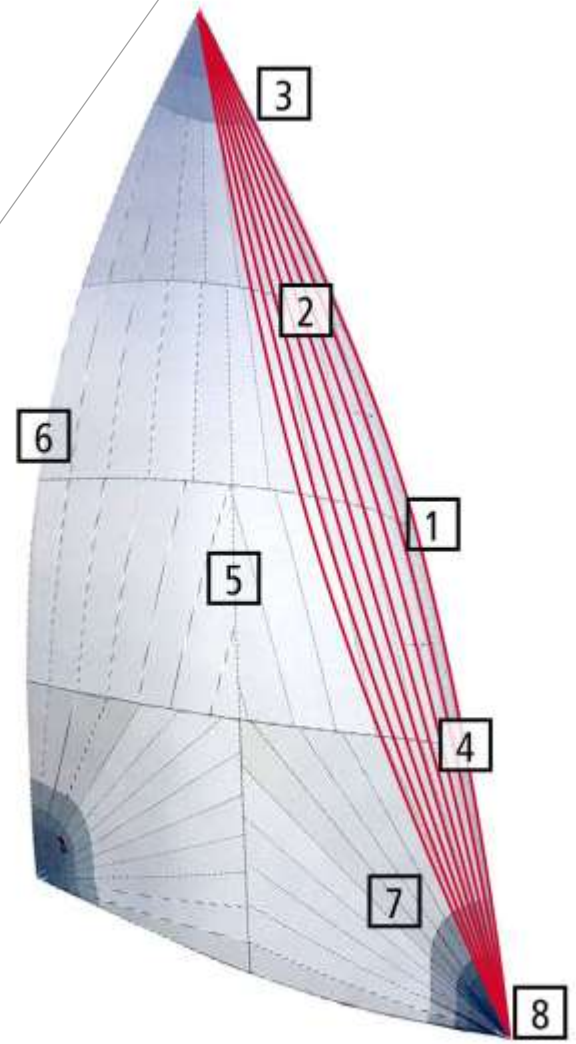
- Cruising sailors need a sail that works across multiple wind angles and strengths without constantly switching between different sails.
- Traditional mainsail + downwind sail combinations result in higher costs, added weight, and increased maintenance, requiring advanced handling skills.
- Current sails often compromise efficiency, shape, and ease of use, especially for less experienced crews.
- There is a need for a sail offering higher safety and reliability without sacrificing performance or versatility.

THE SOLUTION

VERSATILITY IN USE: FUNCTIONS WITH HIGH EFFICIENCY ACCROSS DIFFERENT WIND STRENGTHS AND ANGLES.

Simple and Safe Operation for Less Experienced Crews

- Integrated endless line furling system with IFS.
- Eliminates the heavy, bulky AT cable for easier handling.
- Operable by sailors of any skill level.



1. **Improved aerodynamic performance.**
2. **Structure integrated within the sail** which allows furling without an anti-torsion cable.
3. **Lower halyard tension** by 35% when compared to a traditional sail with cable.
4. **Without a cable** the sail's luff can be designed to project forward and to windward, improving performance at wider angles.
5. **Easy to handle** because the furled sail is light and can easily be folded to fit in its bag.
6. **Stable leech profile** even if measured as a gennaker according to ORC and IRC rules.
7. **Lighter sail** (without anti-torsion cable).
8. **Bespoke finishing and accessories.**

INTEGRATED FURLING STRUCTURE
IFS™

Cost Reduction and Equipment Simplification

- Avoids using the mainsail on downwind courses.
- Combines two reaching sails into a single sail, reducing total sail inventory.
- Constructed from durable, lightweight Nylon, keeping costs low and reliability high.

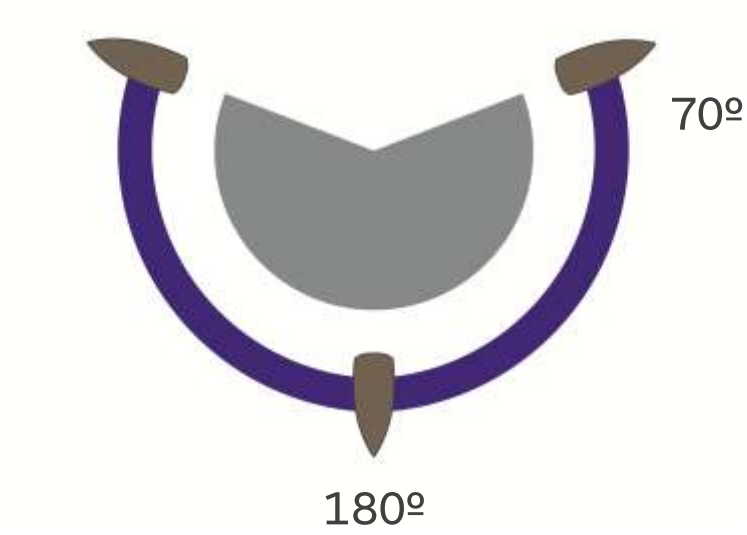
IFS Technology + Tradewind Sail type

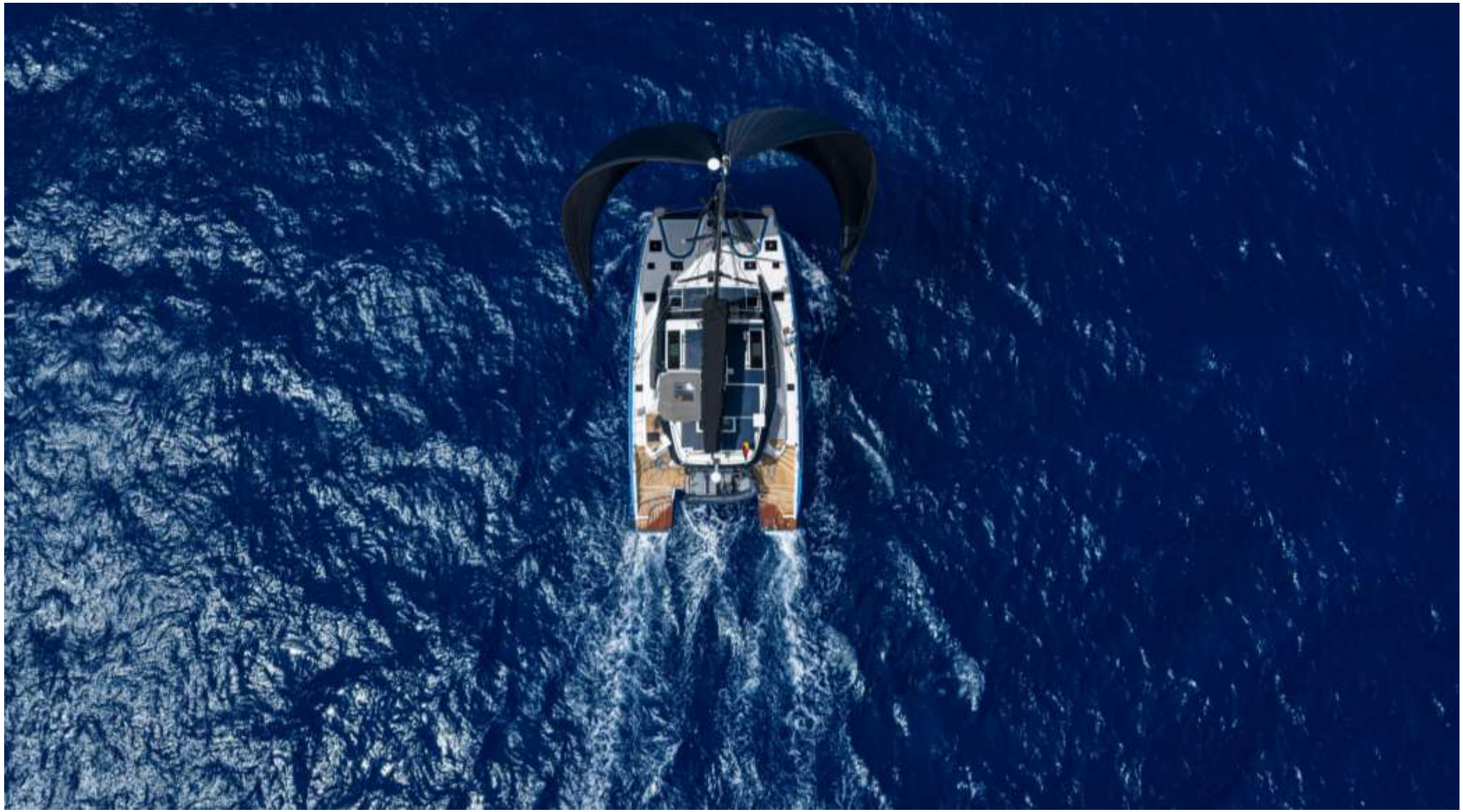
- Replaces all traditional reaching and downwind sail combinations.
- Apparent Wind Angle (TWA): 70° to 180°
- Wind Speed (TWS): 6 to 25 knots

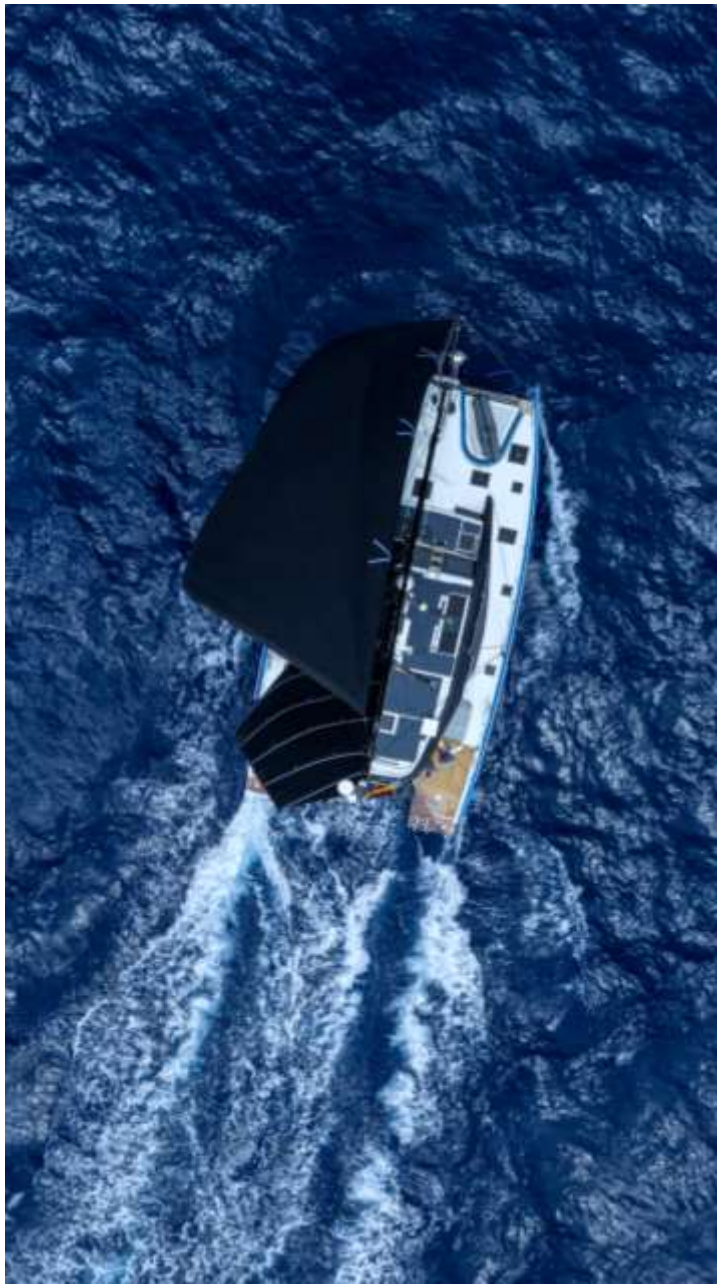
The IFS structural lens imparts excellent shapeholding of the critical luff shape for reaching conditions.

Versatility in Use

- Functions across different wind strengths and angles.
- Can be used as a reaching or downwind sail without additional sails.







TECHNICAL SPECIFICATIONS AND INNOVATIONS

Innovative Materials

- Continuous high-strength fibers in the IFS structure for excellent aerodynamic shapeholding.
- Strong, lightweight Nylon: high strength, low weight, durable under overload and abuse.
- Lightweight UV band: extends sail lifespan, allowing the sail to remain hoisted and furled without UV damage.

Performance and Efficiency

- Maintains efficient shape on forward-of-beam and beam reaching angles.
- High driving force with reduced sideforce.
- Most efficient dead downwind: tack and head close to mast reduces yacht rolling.
- Larger sail area than traditional mainsail + gennaker combinations.

Maneuverability and Ease of Use

- Deployable on both sides for downwind sailing, quickly reconfigurable for beam and broad reaching.
- Can operate as a double-skin reaching sail in stronger winds, alone or with an easy-to-use furling staysail.
- Integrated furling system removes complex maneuvers and heavy equipment.

KEYS

- *REDUCES EFFICIENCY COMPROMISES OF SINGLE TRADITIONAL SAILS.*

- *PROVIDES BETTER VALUE FOR MONEY, IMPROVED SAFETY, EASE OF HANDLING, AND LONG-TERM RELIABILITY.*


ONE
SAILS