



Double Handed Mixed Offshore

Boat description

▶ MAIN CHARACTERISTICS

▶ **Idea and Concept:** [Rodion Luka](#)

▶ **Design:** [Justin Yacht Design](#)

▶ LOA - 9.58 m (30 feet)

▶ Lhull - 9.25 m

▶ LWL - 9.20 m

▶ Max. Beam - 2.54 m

▶ Propulsion – Oceanvolt electric motor and sail drive with a two-blade folding propeller or diesel

▶ Draft (keel down / keel up) - 1.88 m / 0.58 m

▶ Height from waterline to mast top – 13.15 m

▶ Full displacement - 2130 kg

▶ Keel ballast weight (lead bulb) - 790kg

▶ Fresh water tank / black water tank (option) - 55-110 liters/35 liters

PRICE: Base Specification - 78.000 Euro

Offshore World Championship package - 119.000Euro

Boat appearance



History of the L30

Rodion Luka – 49er Olympic medalist, World and European Champion, Volvo Ocean Race competitor, commodore Kiev Racing Yacht Club.

I was always wondering, why cricket and golf are more popular than sailing? The answer is - its easy to access, so audience is following there hobby. How to make yachting just as affordable, as other mass sport disciplines, in order to increase the followers, who will bring more sponsors to the sport?

From the beginning L30 was created for a new type of yacht clubs that may operate as fitness clubs for non boat owners. This business model operates with success in KRYC with more then thousand members who now follow the sailing on line.

I've never supposed that I will be involved in boats building, but while trying to select an optimal sailing yacht for KRYC it was obvious there is no such boat on the market.

It should be a fast, modern and inexpensive trailerable yacht with minimum maintenance costs, a spacious cabin and head, good for racing, training, ideal for offshore short handed and have high value on the second hand market to keep acceptable ROI for the club investors.

We reviewed many options and not seeing anything that would be a perfect fit, we decided to develop the perfect boat for our needs. We used the state-of-the-art technology, materials and equipment. The users will enjoy its carbon fiber spars, and really good balance.

Racing teams will appreciate the L30 speed and dynamic handling combined with a wide range of adjustments, as well as its one design concept. Self-sufficiency, comfort and accommodation are perfect for a small family or a racing crew. You can store your L30 in your backyard or a parking, tow it with your family car and splash or lift the boat from a boat slip.

THE MAINTANACE COST ONE OF THE MOST IMPORTANT KEY FOR ANY CHARTER FLEET

Technical data & ORC certificate

OAT	GPH	HULL
Name Vera Natura Sail Nr UKR 36	617.5	Length Overall 9.250m Maximum Beam 2.528m Displacement 2,127kg Draft 1.887m IMS Reg. Division Cruiser/Racer Dynamic Allowance 0.000% Fwd Accommodation Yes Hull Construction Cored, Aramid Carbon Rudder No Crew Arm Extension
GENERAL		IMSLS 9.228m VCGG -0.032m Sink 14.42kg/m³ RL 7.987m VCGM -0.043m WS 17.51m LSMD 8.981m Displacement/Length ratio 2.9363
Class L-30 OD Designer Justin A. Builder Ocean Tec Series 12/2014 Age 11/2015 Age Allowance 0.098% Offset File Luka30.off - 6/27/2017 1:16:48 PM Measurement by AJ - Kustic - Gale - 03/04/2017		



2017
ORC International
Certificate

Rating Office
Jadrana zveza Slovenije
Kopališko nabrežje 5
6000 Koper
Slovenija



CORING OPTIONS						
	COASTAL / LONG DISTANCE			WINDWARD / LEEWARD		
Time On Distance	601.2			683.2		
Time On Time	0.9980			0.9880		
Triple Number	Low	Medium	High	Low	Medium	High
Time On Distance	711.4	546.2	480.5	931.3	685.3	594.6
Time On Time	0.9488	1.2358	1.4048	0.7248	0.9850	1.1353

IME ALLOWANCES							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1093.7	884.9	780.0	747.1	732.8	716.3	719.5
52°	705.5	575.3	524.4	512.3	506.7	499.7	494.8
60°	658.4	544.8	505.7	494.4	488.5	482.8	472.3
75°	620.3	526.3	489.7	466.0	455.1	448.9	431.4
90°	609.6	517.5	489.9	455.9	425.9	413.4	404.8
110°	601.0	505.5	467.8	444.6	421.6	403.5	362.5
120°	620.9	513.1	468.0	427.8	404.9	384.7	349.4
135°	711.1	557.3	495.2	453.3	409.1	364.5	311.6
150°	847.2	665.4	554.1	500.2	467.2	427.1	341.0
Run VMG	978.3	768.4	639.8	577.4	539.5	493.1	393.7

Selected Courses							
Windward / Leeward	1036.0	826.6	709.9	662.3	636.1	604.7	556.6
Circular Random	855.9	688.2	598.8	546.7	513.7	490.1	455.6
Ocean for PCS	1055.2	811.1	674.1	590.2	534.4	493.3	432.2
Non Spinnaker	933.8	742.9	639.1	577.9	539.4	513.6	480.0

Velocity Prediction in Knots for True Wind Speeds							
Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat Angles	44.2°	43.6°	42.0°	40.6°	40.0°	39.5°	41.1°
Beat VMG	3.29	4.07	4.62	4.82	4.91	5.03	5.00
52°	5.10	6.26	6.87	7.03	7.10	7.20	7.28
60°	5.47	6.61	7.12	7.28	7.37	7.46	7.62
75°	5.80	6.84	7.35	7.73	7.91	8.02	8.34
90°	5.91	6.96	7.35	7.90	8.45	8.71	8.89
110°	5.99	7.12	7.70	8.10	8.54	8.92	9.93
120°	5.80	7.02	7.69	8.41	8.89	9.36	10.30
135°	5.06	6.46	7.27	7.94	8.80	9.88	11.55
150°	4.25	5.41	6.50	7.20	7.71	8.43	10.56
Run VMG	3.68	4.69	5.63	6.24	6.67	7.30	9.14
Gybe Angles	143.1°	146.2°	147.7°	150.7°	147.0°	144.4°	140.0°

Certificate
Number 11517
ORC Ref SL000003481
Issued On 8/24/2017
VPP Ver. 2017 1.00
Valid until 12/31/2017

Crew Weight
Declared 370kg
Default 591kg
Non Manual Per No

Special Scoring
ToD ToT
Double H GPH 624.0 0.9615
Double H CGM 689.0 0.9852
Non Spin GPH 660.4 0.9085
Non Spin CGM 641.6 0.9352

Sails Limitations
Headsails 5
Spinnakers 3

Class Division Length
CDL = 8.609

Storm Sails Areas
Heavy Weather Jib 15.49
Storm Jib (J=6.96) 5.74
Storm Trysail 7.84

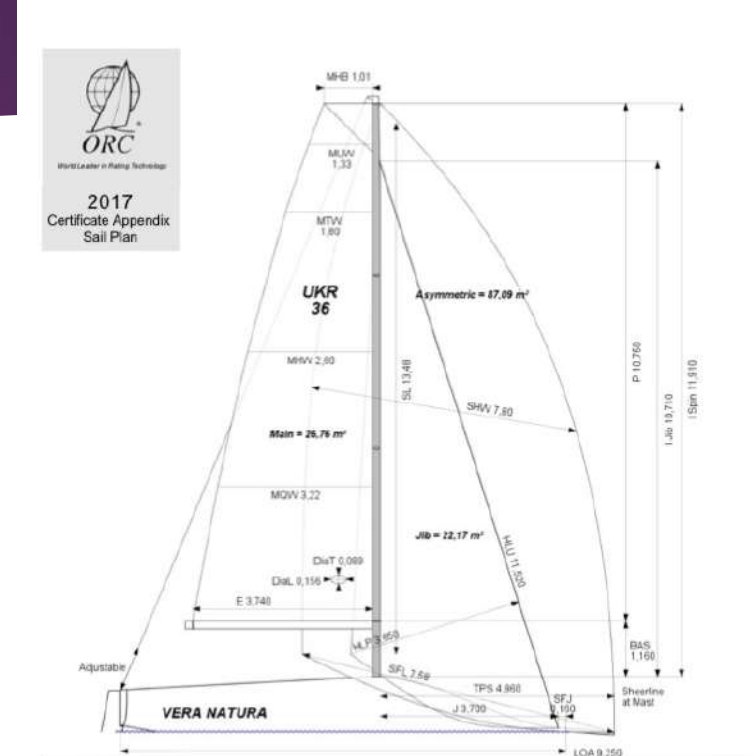
Owner
Rodion Luka
Pakovinova 5
67080 Wlga
Ukraine

I certify that I understand my responsibilities under ORC Rules and Regulations
Signature

BOAT Name Vera Natura File UKR36_1 Sail Nr UKR 36 Data in meters/kilograms	INCLINING TEST AND FREEBOARDS Inclining Test Current Inclining Flotation date 03/04/2017 SG 1.0250 FFM 0.050 FF 0.050 SFFP 0.002 FAM 0.125 PA 3.125 SAFP 9.264 W1 59.0 PD1 662.7 WD 11.160 W2 59.0 PD2 676.7 CSA 1.0 W3 59.0 PD3 688.4 RSA 1.0 W4 59.0 PD4 666.2 PLM 9000.0 LCF from stem on CL / on sheer 6.258 / 6.496 Maximum beam station from stem 7.365 RM Measured 65.7kg/m RM Default 63.8kg/m Limit of positive stability / Stab. Index 122.2° / 120.9 Freeboard at mast at 3.850 1.128	2017 IMS Measurum Certificate Number 11517 ORC Ref SL000003481 Issued On 8/24/2017 VPP Ver. 2017 1.00 Valid until 12/31/2017
RIG Forestay Tension All Spreaders 2 Inner Stay None Fitted Runners 6 Carbon Mast Yes Jumper Struts None Taper Hollows No Jib Furler No Fiber Rigging No Main Furler No Lenticular Rigging No Without Backstay No Articulated Bowsprit No	MIZZEN RIG AND SAILS N/A	PROPELLER Installation Strut PRD 0.380 Type Folding 2 blades PSW 0.085 Twin Screw PIPA 0.0033 ST1 0.042 ST3 0.180 ST5 0.295 ST2 0.080 ST4 0.112 EDL 1.342
COMMENTS +380674674949	MOVEABLE BALLAST N/A	CENTERBOARD N/A

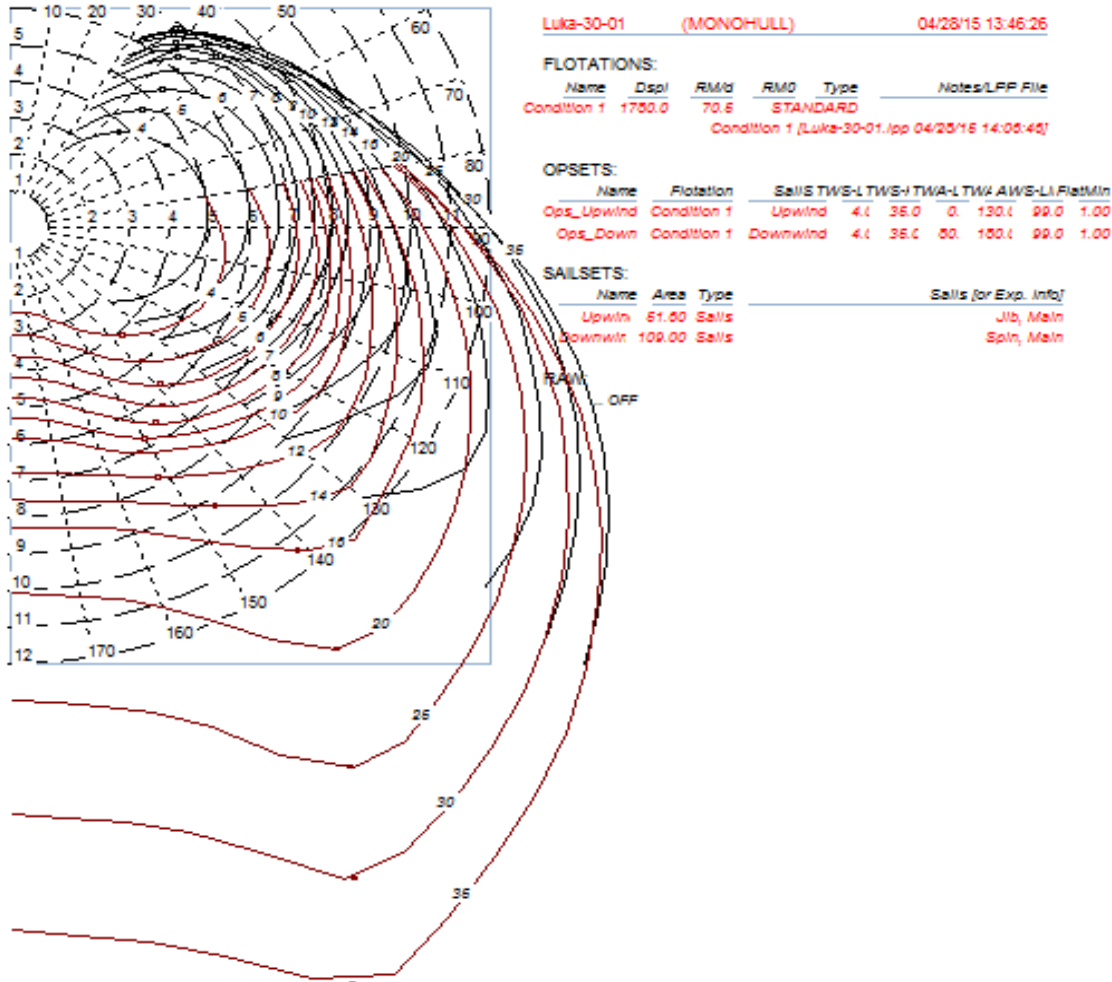
SAILS (Maximum Areas)									
Mainsail	MHB	MJW	MTW	MHW	MQW	Area	Area (%)	Formula	
	1.615	1.33	1.80	2.60	3.22	26.76	27.47	P/B · IE + 2 · MQW + 2 · MHW + 1.5 · MTW + MJW + 0.5 · MHB	
Symmetric	Not Available								
Asymmetric	SLU	SLE	SL	SHW	SFL	87.09		AS · (SFL + 4 · SHW) / 6	
HEADSAILS Area = 0.1125 · HLU · (1.445 · HLP + 2 · HQW + 2 · HRW + 1.5 · HTW + HJW + 0.5 · HMB)									
HMB	HJW	HTW	HRW	HQW	HLP	HLU	Area	Bin	Fly
0.05	0.59	1.08	1.97	2.83	3.65	11.52	22.17	Y	18/05/2016 Carbon
0.06	0.41	0.78	1.54	2.34	3.51	10.23	16.62		18/05/2016 Carbon

MEASUREMENT INVENTORY					MEASUREMENT INVENTORY				
Measuror ALEN KUSTIC CROAK6 Date 03/04/2017 Comment	Id	Item	Tank Use	Tank Type	Capacity	Dist.	VCG	Conth	Description
	1	Tank water		solid	60.0	1.80		0-0	
	Id	Item	Weight	Distance	VCG	Description			
	5	Battery	20.0	6.50		service battery in plastic case			
	4	Battery	20.0	5.60		U24 12XP U-CHARGE			
	3	Battery	20.0	5.60		U24 12XP U-CHARGE			
	2	Battery	20.0	5.40		U24 12XP U-CHARGE			



SAILS INVENTORY																	
MANSAIL (1)	Id	MHB	MJW	MTW	MHW	MQW	Area	Measuror	Meas.Date	Manufacture	Material	Comment					
	1	1.615	1.33	1.80	2.60	3.22	26.76	SLC03 Dals	24/11/2016	UK	Carbon	Renewed					
HEADSAILS (2)	Id	HMB	HJW	HTW	HRW	HQW	HLP	HLU	Ovrh	Area	Bin	Fly	Measuror	Meas.Date	Manufacture	Material	Comment
	J-01	0.05	0.59	1.08	1.97	2.83	3.65	11.52	99%	22.17	Y		Kierko	18/05/2016	UK/S	Carbon	
	J-02	0.06	0.41	0.78	1.54	2.34	3.51	10.23	95%	16.62			Kierko	18/05/2016	UK/S	Carbon	
SYMMETRIC SPINNAKERS (0)																	
Id	SLU	SLE	SL	SHW	SFL	Area	Measuror	Meas.Date	Manufacture	Material	Comment						
ASYMMETRIC SPINNAKERS (3)																	
Id	SLU	SLE	SL	SHW	SFL	Area	Kind	Measuror	Meas.Date	Manufacture	Material	Comment					
A-02	14.44	12.51	13.47	7.80	7.58	87.59	asym	Kierko V.	18/05/2016	UK/S	Nylon						
A-01	14.29	11.91	13.10	7.40	7.26	80.48	asym	Kierko V.	18/05/2016	UK/S	Nylon						
A0	12.73	11.24	11.86	4.34	6.43	51.52	asym	PINDOZZI	16/09/2017	EUROSAIL	Unknown						

Designer VPP and ORC



TIME ALLOWANCES

Wind Velocity	6 kt	8 kt	10 kt	12 kt	14 kt	16 kt	20 kt
Beat VMG	1093.7	884.9	780.0	747.1	732.8	716.3	719.5
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135°	5.06	6.46	7.27	7.94	8.80	9.88	11.55
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Example of results since 2016

- ▶ Without any optimization the GPH 617.5
- ▶ L30 finished 3rd in 2017 ORC World Championship in 100 mile offshore race. In short 1 mile lag on windward/leeward races being the smallest boat in the group of 50 bigger boats this formula did not work at all.
- ▶ 1st in the group and 2nd in overall out of 50 boats under ORC in the "THE RACE" 70 miles race, around Constance Lake. (Germany), September 2017
- ▶ 1st place in the Balaton Race under Yardstick handicap system. (Hungary), September 2017
- ▶ 1st place, Bregenz race, ORC, (Austria) August 2017
- ▶ 1st place, Barcolana, length division. Out of 128 boats, (Italy) October 2017
- ▶ 2nd, Warnemunder Week, ORC, 2018 (Germany)
- ▶ 1st, Blue Ribbon, Balaton, Yardstick, 2018 (Hungary)
- ▶ 1st Vigviser Race, Double Hand, 225 miles, 2018 (Denmark)
- ▶ 2nd Baltic 500, ORC, Double Hand, 500 miles, May 2019 (Germany)

Statement of suitability for double hand sailing

► In last two years L30 proved as perfect boat for double hand sailing. Being well tested in Baltic Adriatic, Mediterranean seas and Atlantic ocean one year before the Inaugural EUROSAF Offshore Double Hand Mixed European Championship





2019 EUROSAF Offshore Double Hand Mixed European Championship

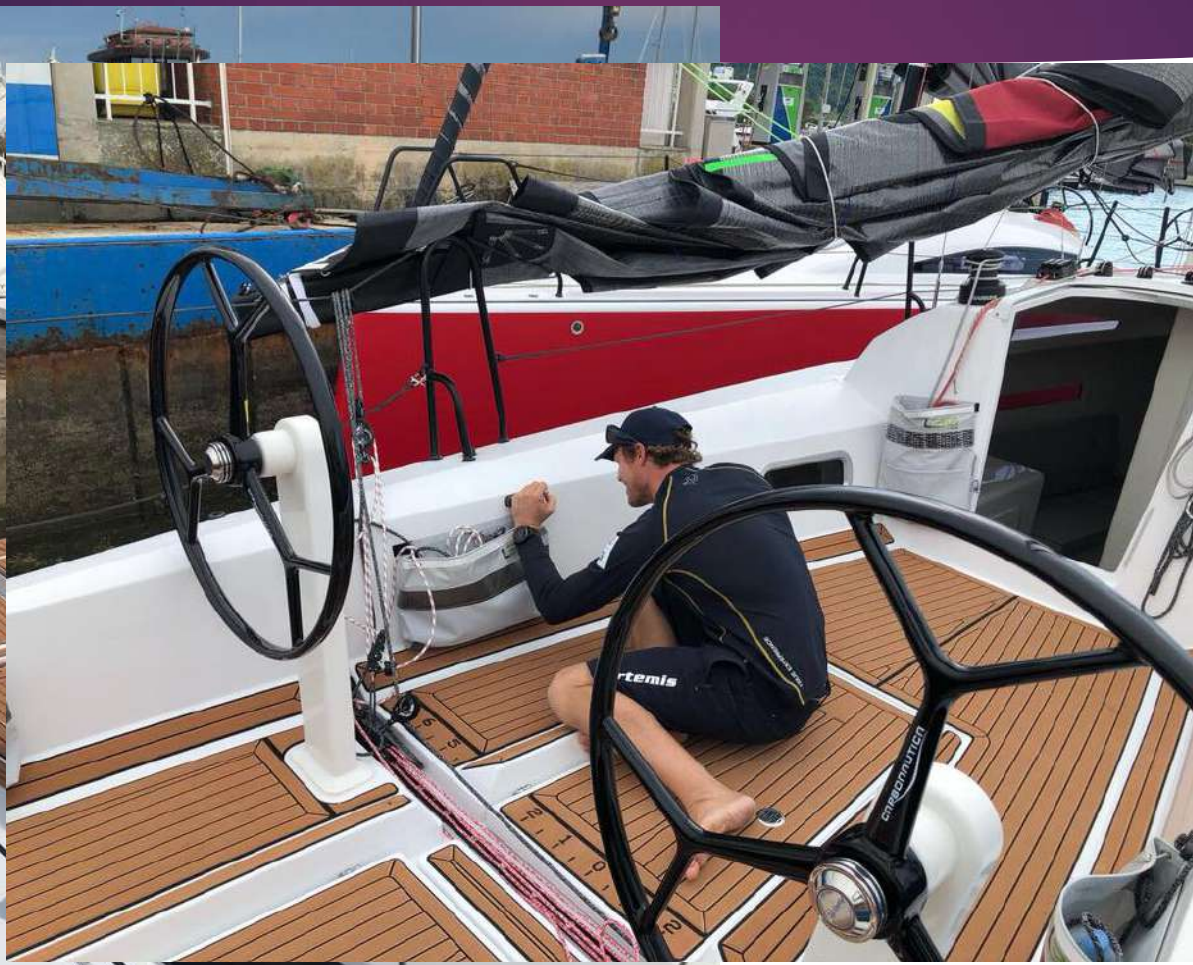


2019 EUROSAF Offshore Double Hand Mixed European Championship



2019 EUROSAF Offshore Double Hand Mixed European Championship

Sailors testimonials



Sailors testimonials

Americas Cup sailors

Dean Barker: "Nice Boat"

Nathan Outteradge: "Good Boat"

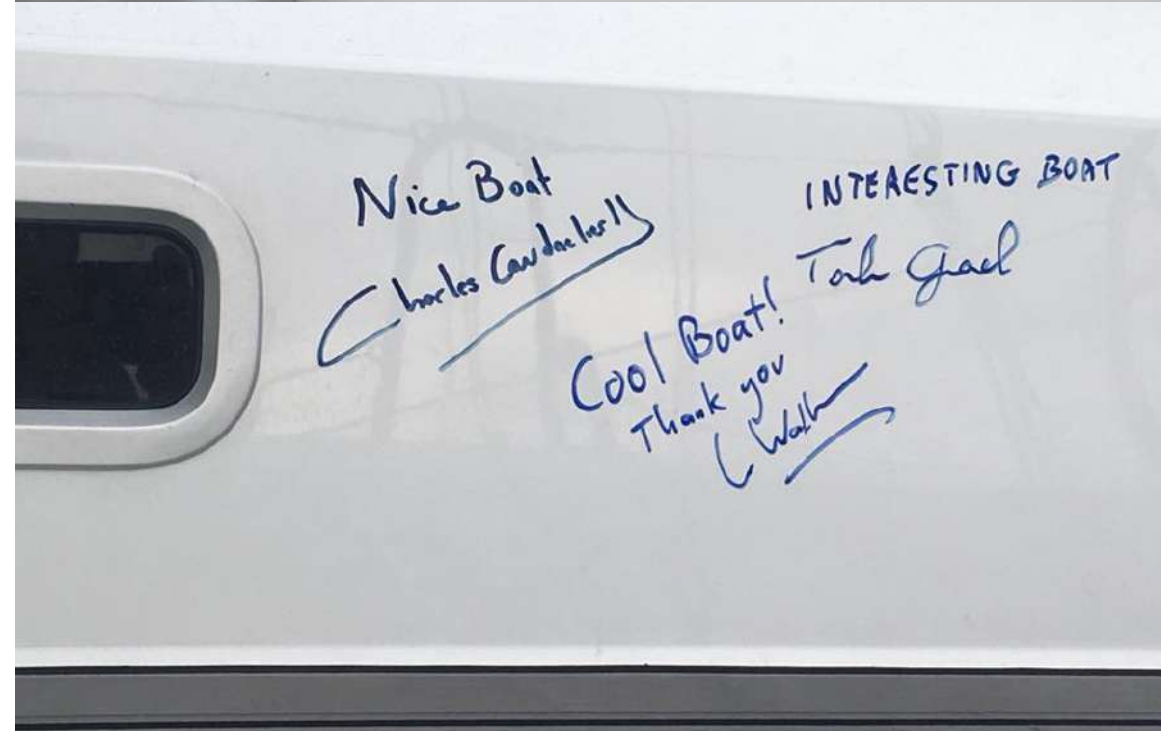
Ian Percy: "Love It"

Volvo Ocean Race Winners

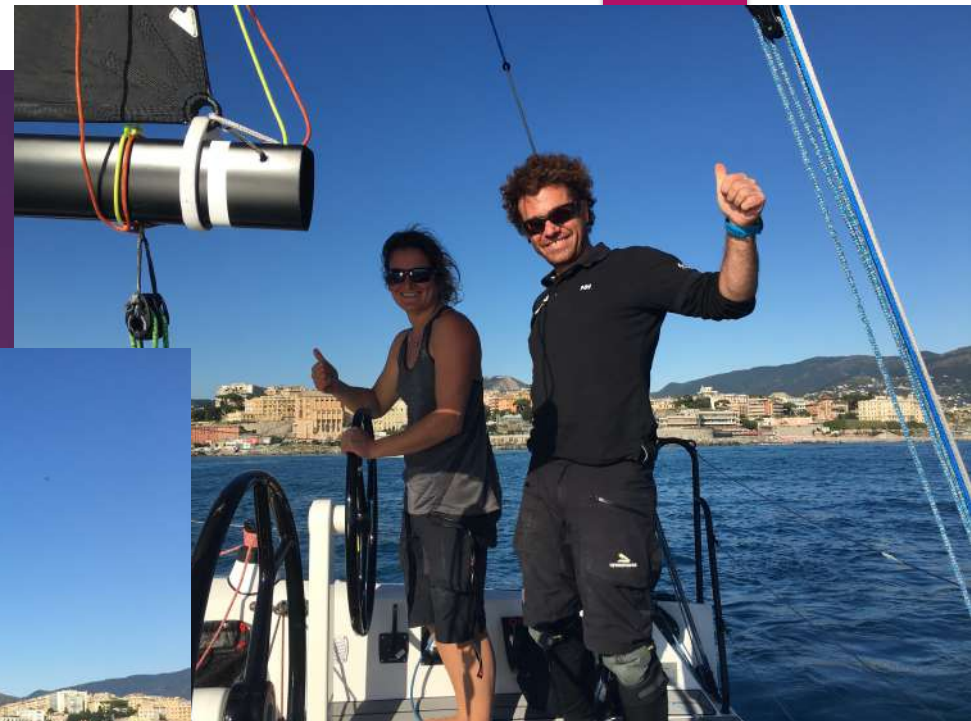
Charles Caudrelier: "Nice Boat"

Torben Grael: "Interesting Boat"

Ian Walker: "Cool Boat"



Sailors endorsement



Existing Fleet size

- ▶ 21 boats build
- ▶ On three continents: America, Asia, Europe
- ▶ 12 countries: USA, Korea, Japan, Hong Kong, Ukraine, Hungary, Lithuania, Poland, France, Belgium, Germany, Estonia





Worldwide till 2024



North America 2021
20 boats

UK 2021
10 boats

Scandinavia 2022
10 boats

EUROPE 2020
20 boats

Middle East 2023
10 boats

South Korea 2022
10 boats

Singapore -2022
10 boats

Australia 2022
10 boats



Strict One Design



Production costs



Time for measurement



Logistics





Fleet Maintenance



Luka@L30class.com