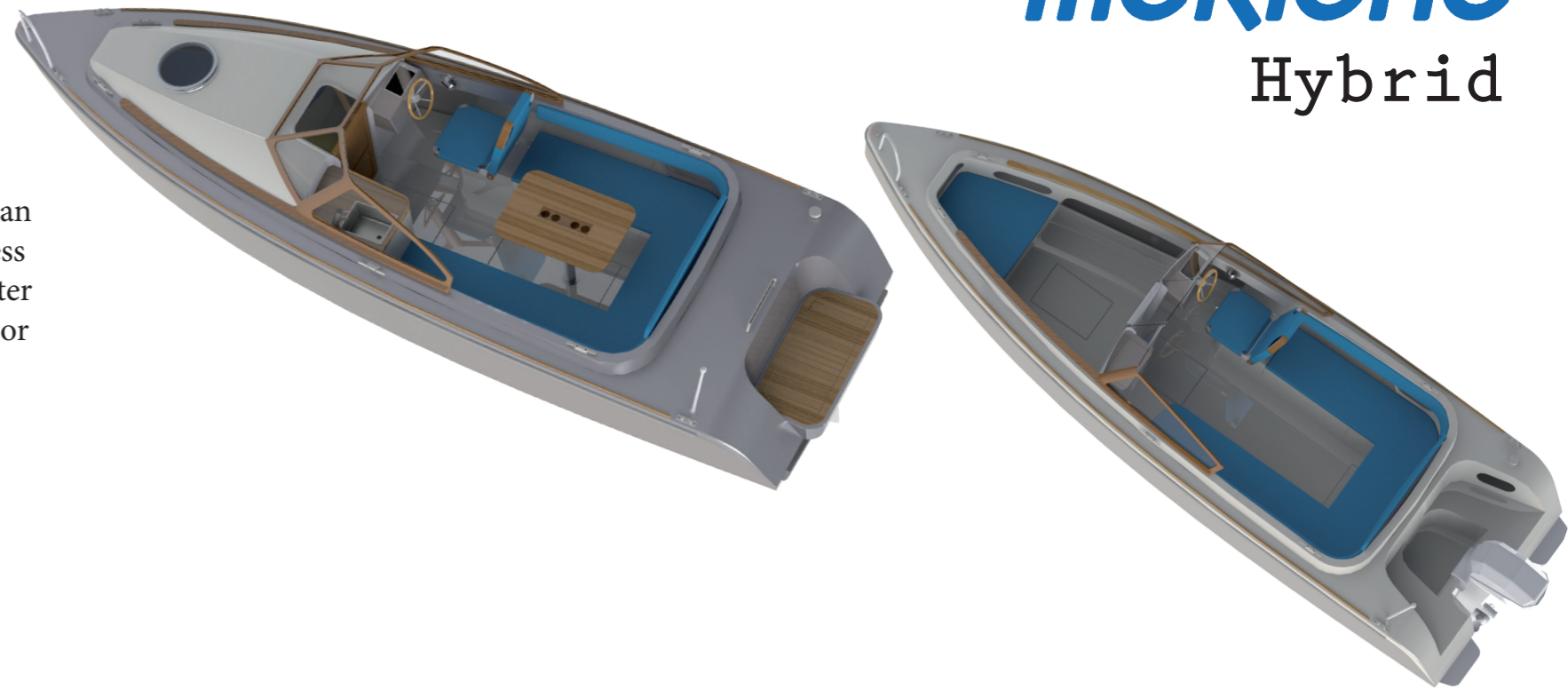


Smarter boating

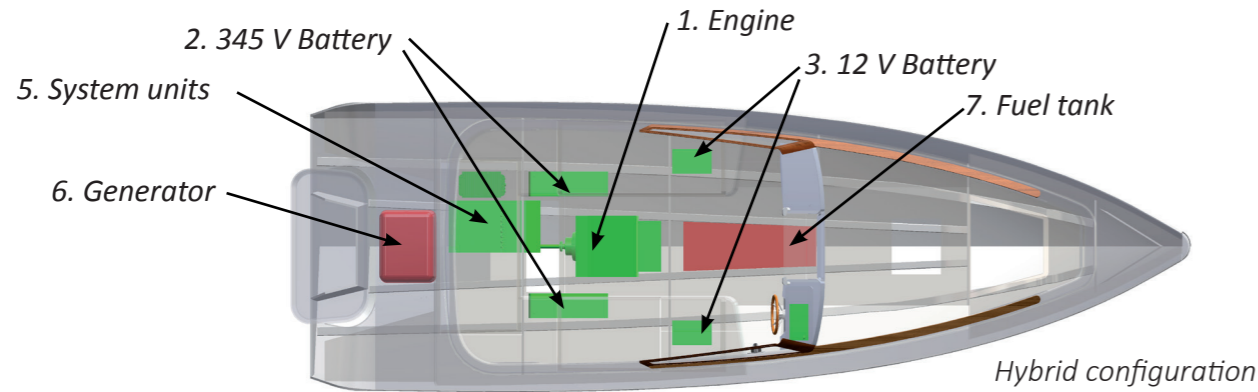
Light constructions, hard solutions

Merione is made of lightweight epoxy composites. The production method has many steps giving a strong, lightweight hull of ~450 kg mass - almost a half less than an usual GRP made hull. Thanks to the lightweight construction the boat can carry more cargo even with heavy batteries. The boat is stable and moves with less engine power as usual. The lightweight construction minimizes resistance of water and the boat slides in water with harmony giving ~20 % more capacity in speed or range as a similar GRP construction.



merione

Hybrid



no	System configuration	Quantity	unit	total weight	notes
	Hull	1	Commuter or Daycruiser	~ 450 kg ~ 490 kg	
	Standard outfitings	1 set		70 kg	
1.	Engine	1 pc	Torqeedo Deep Blue DB 40 i or DB 80 i	80 kg	25 kw
2.	Batteries	2 pc	Light weight BMW i8	196 kg	2*10 kW
3.		2 pc	12 DC 70 Ah AMG	45 kg	
4.	Control units for Torqeedo	1 set	Brookes & Gatehouse	2 kg	
5.	System configuration for Torqeedo	1 set	1 X Charger, cables, venting kit, throttle, shaft, propeller, etc.	70 kg	
6.	Generator	1 pc	Lombardini 6000 LMG diesel 5 kW out	110 kg	Generator can be up to 12 kW size
7.	System configuration for generator	1 set	Fuel tank ~90 L hoses, exhaust etc.	40 kg	
	Total		Open commuter Daycruiser	~1060 kg ~1100 kg	
				+ extra outfitings & accessories	

Generator size?

Merione has physical limits for a generator up to 10 - 12 kW. With Deep Blue battery 30 kW (not listed in this leaflet) a small generator just for loading can be installed.

Range extending

Battery mode

Hybrid mode

batt. capacity	20 kWh		Generator output			
	speed	range	4 kW range	6 kW range	10 kW range	12 kW range
DP 40i & 80i	3 kn	55 NM				
	5 kn	27 NM				
	7 kn	16 NM	28 NM	47 NM		
	8 kn	12 NM	18 NM	23 NM	53 NM	160 NM
	10 kn	10 NM	12 NM	13 NM	18 NM	22 NM
DP 80i	12 kn	11 NM	13 NM	15 NM	20 NM	24 NM
	15 kn	10 NM	12 NM	13 NM	15 NM	17 NM
	20 kn	8 NM	9 NM	9 NM	10 NM	11 NM
	25 kn	8 NM	8 NM	9 NM	9 NM	10 NM

Values above are theoretical.

True ranges varies depending on cargo, waves and weather

Päämitat • Main dimensions (hybrid)

Pituus • Length	6,8 m - 6,9 m
Leveys • Width	2,24 m
Paino • Displacement	> 1000 kg
Kantavuus • Load capacity	6 pers
CE-alue	C
Moottori • Motor	max 100 hp

Valmistaja • Manufacturer

In Time Yachts Oy, Naantali, Finland
Valmistaja pidättää oikeuden muutoksiin.
The manufacturer has right for changes.

Myynti • Sales

In Time Yachts Oy
www.in-time-yachts.fi
Savoy Land & Sjöentreprenad AB
www.savoy.nu

Merione is a result of a collaboration between a Finnish and Swedish Marine industry company.