

HDPE Boats for Professionals and Adventurers

Built to Last. Designed to Impress.

A workboat should be strong and capable, but never ugly.

Larsen Boat Yard was founded to craft durable, high-quality HDPE boats for demanding use, from coastal patrol and marine rescue to adventure tourism.

Each vessel combines Nordic design with customer collaboration, resulting in boats that are not only reliable but also visually refined.

We build welded HDPE boats at Miiduranna, near Tallinn, from 7.5 to 14 m. Each one is custom-built to the customer's specification.



38 PRO HDPE, at the helm · 2 December 2025 PHOTOGRAPH

Contents

01	About Larsen Boat Yard	02
02	Why HDPE	05
03	The workboats	08
04	38 PRO HDPE	10
05	30 PRO HDPE, T-Top and Cabin	14
06	25 PRO HDPE	18
07	46 PRO HDPE, coming soon	22
08	LR9 HDPE	25
09	Adventurer, for private owners	26
10	Drone project	29
11	Built to order	30
12	Request a quote	32

The pictures in this book

Every picture carries one of three labels.

PHOTOGRAPH

The 38 PRO HDPE and the 30 PRO HDPE T-Top are built and on the water. They were photographed in July and December 2025.

DESIGN RENDER

Comes from the project's design files.

AI CONCEPT RENDER

Made with AI to show the idea. It is not a photograph, and its fittings, seats and proportions are not final.

Why HDPE?

Why professionals are switching from aluminium and fibreglass to HDPE, high-density polyethylene.

01

Built for tough conditions

Absorbs hits without cracking or denting.

02

Corrosion-free

No rust and no corrosion, in salt or fresh water.

03

Naturally buoyant

Even with a damaged hull, HDPE stays afloat.

04

Recyclable

Fully recyclable at the end of its life.

05

Cost-effective

Affordable to build and economical to maintain.

06

Quiet ride

Less noise and vibration on board.

HDPE comes as thick plate and is welded much like metal, so the hull is built up from plate instead of being moulded. Its colour runs through the material, so there is no gelcoat to keep up.

Side by side

A welded HDPE hull compared with aluminium and fibreglass

	HDPE	ALUMINIUM	FIBREGLASS (GRP)
Impact	**Flexes and returns to shape**	Dents, and holds	Can crack or delaminate
Corrosion	**Does not corrode**	Needs anodes and care with mixed metals	Does not corrode, can blister
Upkeep	**No painting. No antifouling in fresh water**	Anodes and coatings	Gelcoat and antifouling
Noise on board	**Dampens vibration and water noise**	Resonates more	In between
Plate	**About three times thicker than aluminium at the same hull weight**	Thinner plate	Set by the laminate
Repair	**Can be welded on site**	Weldable, harder in the field	Usually a specialist workshop
Sunlight	**Stable**	Not affected	Relies on its gelcoat
End of life	**Fully recyclable**	Recyclable	Hard to recycle

Against aluminium

Aluminium is a proven material for professional boats, and many public tenders still name it. HDPE's case starts with the plate: at the same hull weight it can be about three times thicker, so a knock that would dent metal is taken up by the material. There are no anodes to replace and no galvanic corrosion to manage, and less engine noise reaches the crew.

Against fibreglass

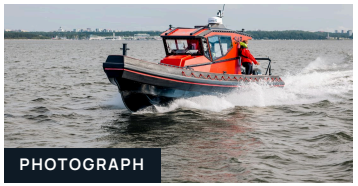
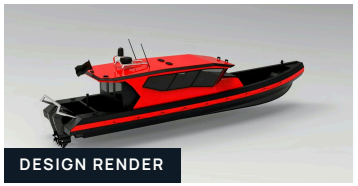
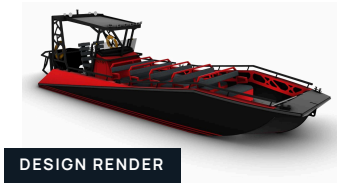
Fibreglass suits leisure boats well. Working boats are harder on it. A rock, a quay or a floating log can crack the laminate, water then gets into the structure, and the repair usually needs a dry workshop. HDPE does not absorb water or blister.



30 PRO HDPE, T-Top · 2 December 2025 PHOTOGRAPH

The workboats

Rescue, patrol and work boats from 7.5 to 14 m. Each one is built to order.

		LENGTH	BEAM	PASSENGERS	PAGE
 PHOTOGRAPH	**38 PRO HDPE** Coastal patrol, search and rescue, heavy-duty utility	11.47 m	3.07 m	Up to 12	10
 PHOTOGRAPH	**30 PRO HDPE** T-top or cabin SAR boat for rescue, patrol and support work	9.2 m	2.7 m	Up to 12	14
 DESIGN RENDER	**25 PRO HDPE** Compact workboat for shallow harbours and inland waters	7.49 m	2.49 m	Up to 8	18
 DESIGN RENDER	**46 PRO HDPE** COMING SOON Enclosed passenger boat for rough seas and cold weather	14 m	3.07 m	12 or 20 + crew	22
 DESIGN RENDER	**LR9 HDPE** Safari and passenger boat for tour operators and water taxis	8.97 m	2.81 m	20 + 2 crew	25

The range, to scale

	LENGTH	BEAM	PASSENGERS	SHOWN AS
25 PRO HDPE	**7.49 m**	2.49 m	Up to 8	Design render
LR9 HDPE	**8.97 m**	2.81 m	20 + 2 crew	Design render
30 PRO HDPE	**9.2 m**	2.7 m	Up to 12	Photograph
38 PRO HDPE	**11.47 m**	3.07 m	Up to 12	Photograph
46 PRO HDPE	**14 m**	3.07 m	12 or 20 + crew	Coming soon



Another length is possible too, between 6.5 and 17 m. Tell us the job and we will say what would change.

Coastal patrol, search and rescue, heavy-duty utility.

38

PRO
HDPE

LENGTH
11.47 m

BEAM
3.07 m

PASSENGERS
Up to 12

SPEED
35+ knots



38 PRO HDPE · 9 July 2025 PHOTOGRAPH

38 PRO HDPE

11.5 m HDPE rescue and patrol boat with a heated cabin

The 38 PRO is built for coastal patrol, search and rescue and heavy-duty utility work. With a shallow draft and a stable hull it handles with confidence in varied conditions.

The crew work from a heated cabin with ergonomic workstations, and the layout takes a stretcher. Twin 300 hp outboards give 35 knots or more.

Each Larsen boat is custom-built to the customer's specification, so the figures for your boat are confirmed in your quote.



PHOTOGRAPH

Key specifications

Length	**11.47 m**
Beam	**3.07 m**
Draft	**0.50 m**
Displacement	**5,200 kg**
Engines	**2 × 300 hp outboard**
Max speed	**35+ knots**
Fuel	**2 × 300 L**
Passengers	**Up to 12** by configuration
Hull	**Welded HDPE**
CE design category	**C**

Features and highlights

- HDPE hull, impact-resistant and low-maintenance
- Outboards for shallow-water operation
- Heated cabin and ergonomic workstations
- Stretcher-ready layout

Typical applications

- Search and rescue, and medical evacuation
- Coastal patrol
- Utility and service runs for ports and marinas

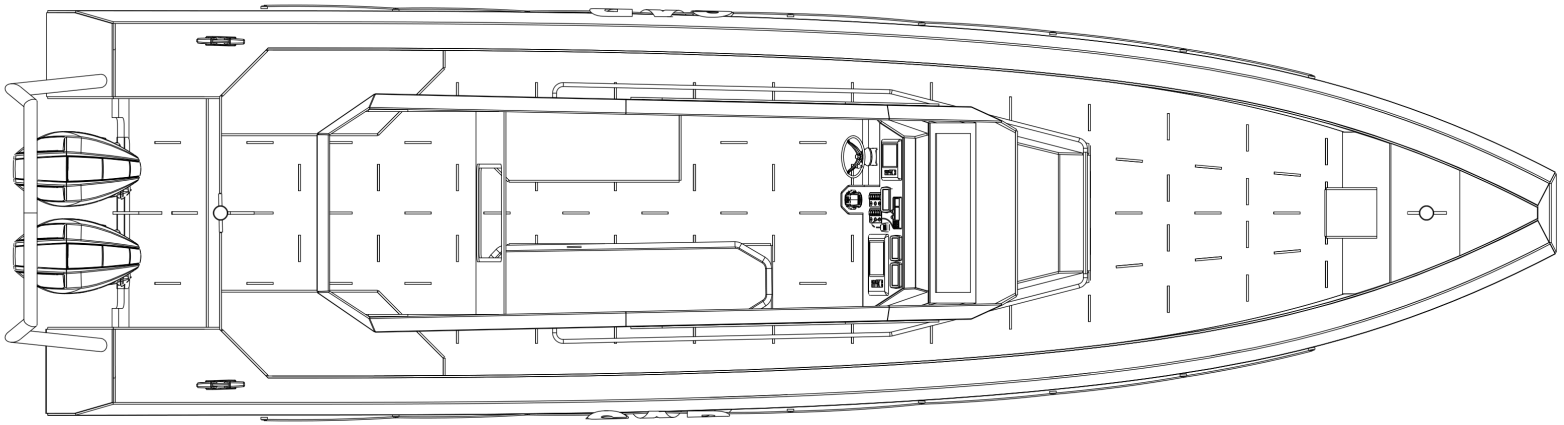
General arrangement

Profile and layout from the plan by BK Yacht Design. The scale bar is in metres.

PROFILE







THE FULL PLAN

See the plan

larsenb.com/38-pro-hdpe

Larsen[B]

BUILT AND ON THE WATER

T-top or cabin SAR boat for rescue, patrol and support work.

30

PRO
HDPE

LENGTH
9.2 m

BEAM
2.7 m

PASSENGERS
Up to 12

SPEED
35+ knots



30 PRO HDPE, T-Top · 2 December 2025 PHOTOGRAPH

30 PRO HDPE T-Top

T-top SAR boat for rescue, patrol and support work

The T-Top has a hardtop, a windscreen and side windows, and stays open at the back. The crew see all round and step straight onto the deck.

The deck is open for rescue gear, stretchers and mission equipment. This is the boat in the photographs.

Each Larsen boat is custom-built to the customer's specification, so the figures for your boat are confirmed in your quote.



PHOTOGRAPH, THE HELM

Key specifications

Length	**9.2 m**
Beam	**2.7 m**
Draft	**0.4 m**
Weight	**2,300 kg** without engines
Engines	**2 × 200 hp outboard**
Max speed	**35+ knots**
Fuel	**Up to 400 L**
Passengers	**Up to 12** by configuration
Hull	**Welded HDPE**
CE design category	**C**

Features and highlights

- HDPE hull, impact-resistant and low-maintenance
- A 0.4 m draft for shorelines, river mouths and shallow rescue zones
- T-top with full visibility for fast response
- Deck space for rescue gear and stretchers

Typical applications

- Search and rescue, and medical evacuation
- Coastal patrol
- Utility and service runs for ports and marinas

30 PRO HDPE Cabin

The same 9.2 m hull, with an enclosed cabin



DESIGN RENDER

The crew ride in suspension seats out of the wind and spray, which counts on a long patrol or a winter call-out.

There is open deck behind the cabin and a foredeck ahead of it for rescue gear.

Key specifications

Length	**9.2 m**
Beam	**2.7 m**
Hull	**Shared with the T-Top**

Features and highlights

- Enclosed cabin with suspension seats for the crew
- Large windows forward and along both sides
- Radar, antennas and work lights on the cabin roof

Draft, weight, engines, speed, fuel and passenger capacity depend on the cabin fit-out, so we confirm them in your quote.

Compact workboat for shallow harbours and inland waters.

25

PRO HDPE

LENGTH
7.49 m

BEAM
2.49 m

PASSENGERS
Up to 8

VERSIONS
Full or half glass



25 PRO HDPE **DESIGN RENDER**

25 PRO HDPE

Compact workboat for shallow harbours and inland waters

At 7.49 m the 25 PRO fits where larger boats cannot: shallow harbours, inland waterways and crowded working water. The HDPE hull needs no painting and takes the rough treatment of professional use.

The 25 PRO exists so far as a design. The pictures here are design renders.



DESIGN RENDER, HALF GLASS

Key specifications

Length	**7.49 m**
Beam	**2.49 m**
Height	**3.43 m**
Engines	**2 × 250 hp outboard**
Fuel	**Up to 400 L**
Passengers	**Up to 8**
Hull	**Welded HDPE**

Draft, weight and speed are confirmed in your quote.

Full Glass

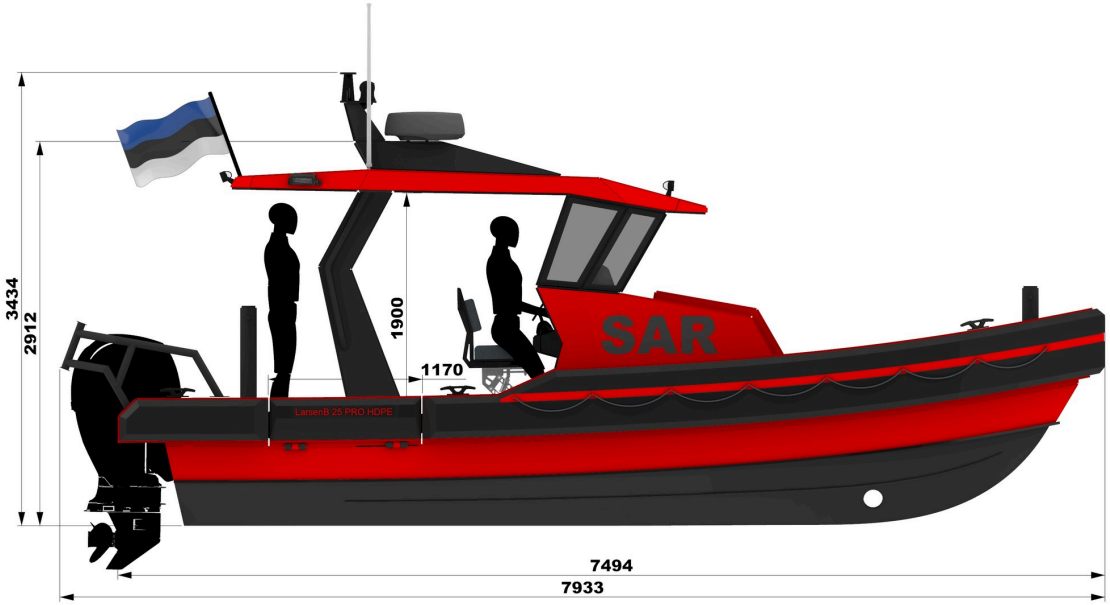
An enclosed wheelhouse with windows up to the roofline, for all-weather work on long missions.

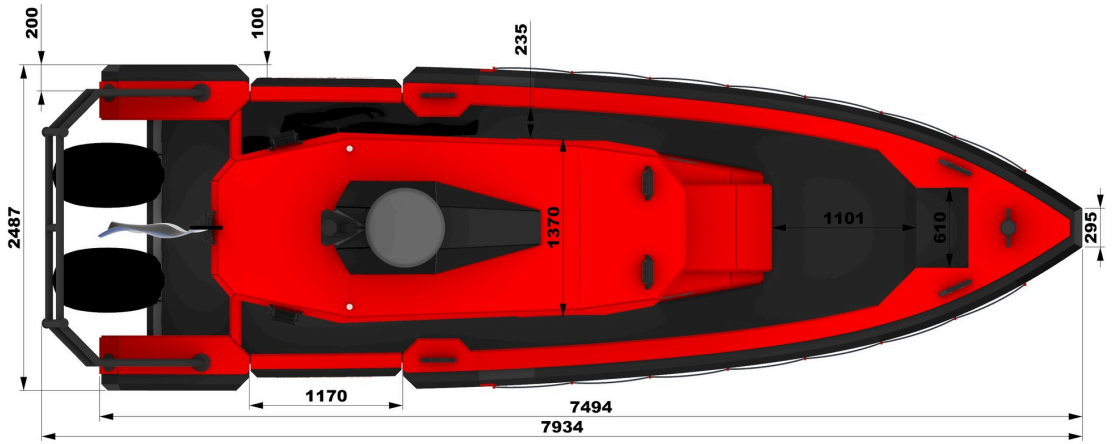
Half Glass

A windscreen and an open cockpit under a hardtop, for open-deck access and fast crew movement. Pictured on this page.

Profile and plan

Two views from the design file. Dimensions are in millimetres.





DESIGN RENDER

Larsen[B]

COMING SOON

Enclosed passenger boat for rough seas and cold weather.

46

PRO
HDPE

LENGTH
14 m

BEAM
3.07 m

PASSENGERS, SAME BOAT
12 or 20 + crew


46 PRO HDPE
AI CONCEPT RENDER

COMING SOON

46 PRO HDPE

Enclosed passenger boat for rough seas and cold weather

The 46 PRO HDPE is a 14 m boat for operators who carry people through rough seas or cold weather. It takes 12 or 20 passengers plus crew, and both numbers are the same boat.

Passengers ride in an enclosed cabin, out of the wind, spray and cold. The project is still taking shape, so these pages show the idea and the few figures that are set.



DESIGN RENDER

What we know so far

Passengers	**12 or 20 + crew** same boat
Length	**14 m**
Beam	**3.07 m**
Hull	**Welded HDPE**
Layout	**Enclosed cabin, open deck fore and aft**

Engines, speed and certification are not set yet.

Where it fits

- Small ferry between islands or across open water
- Water taxi on exposed coastal routes
- Staff and crew transport in cold climates
- Routes that keep running through autumn and winter

LR9 HDPE

Safari and passenger boat for tour operators and water taxis

An open boat for big groups. Rows of seats run down an open deck, and the helm sits aft under a T-top.

Key specifications

Length	**8.97 m**
Draft	**0.33 m**
Passengers	**20** + 2 crew
Hull	**Welded HDPE**



DESIGN RENDER



FOR PRIVATE OWNERS

Adventurer

HDPE boats for private owners

AI CONCEPT RENDER

The hulls we build for rescue work, fitted out for you

LarsenB builds welded HDPE boats for rescue, patrol and harbour work. The Adventurer line takes the same hulls and fits them out for private owners. Each boat is custom-built, so the helm, cabin, seats and engines are agreed with you.

Norwegians call this kind of boat a skjærgårdsjeep, Swedes a hyttbåt, Finns a retkivene. It is a tough boat for rocky shores and open water.

Where it fits

- Reaching an island or summer house
- Coastal touring and long weekends
- Fishing from a stable, quiet boat
- Early and late in the season

Built for tough conditions
Absorbs hits without cracking or denting.

Corrosion-free
No rust and no corrosion, in salt or fresh water.

Naturally buoyant
Even with a damaged hull, HDPE stays afloat.

Quiet ride
Less noise and vibration on board.



PHOTOGRAPH, RESCUE VERSION

The Adventurer range

Engines, speed, passenger numbers and equipment depend on the fit-out, so we confirm them in your quote.



DESIGN RENDER, WORK VERSION

Adventurer 25

The compact boat, on the 25 PRO hull

7.49 m · 2.49 m beam
T-top or full glass



PHOTOGRAPH, RESCUE VERSION

Adventurer 30

An open deck under a T-top, on the 30 PRO hull

9.2 m · 2.7 m beam
T-top



AI CONCEPT RENDER

Adventurer Cabin

A cabin boat with an aft deck for guests

Enclosed cabin
Aft deck



PHOTOGRAPH, RESCUE VERSION

Adventurer 38

The big cabin boat, on the 38 PRO hull

11.47 m · 3.07 m beam
Cabin



DESIGN RENDER

Adventurer LR9

An open boat for big groups, on the LR9 HDPE hull

8.97 m · Open deck
T-top



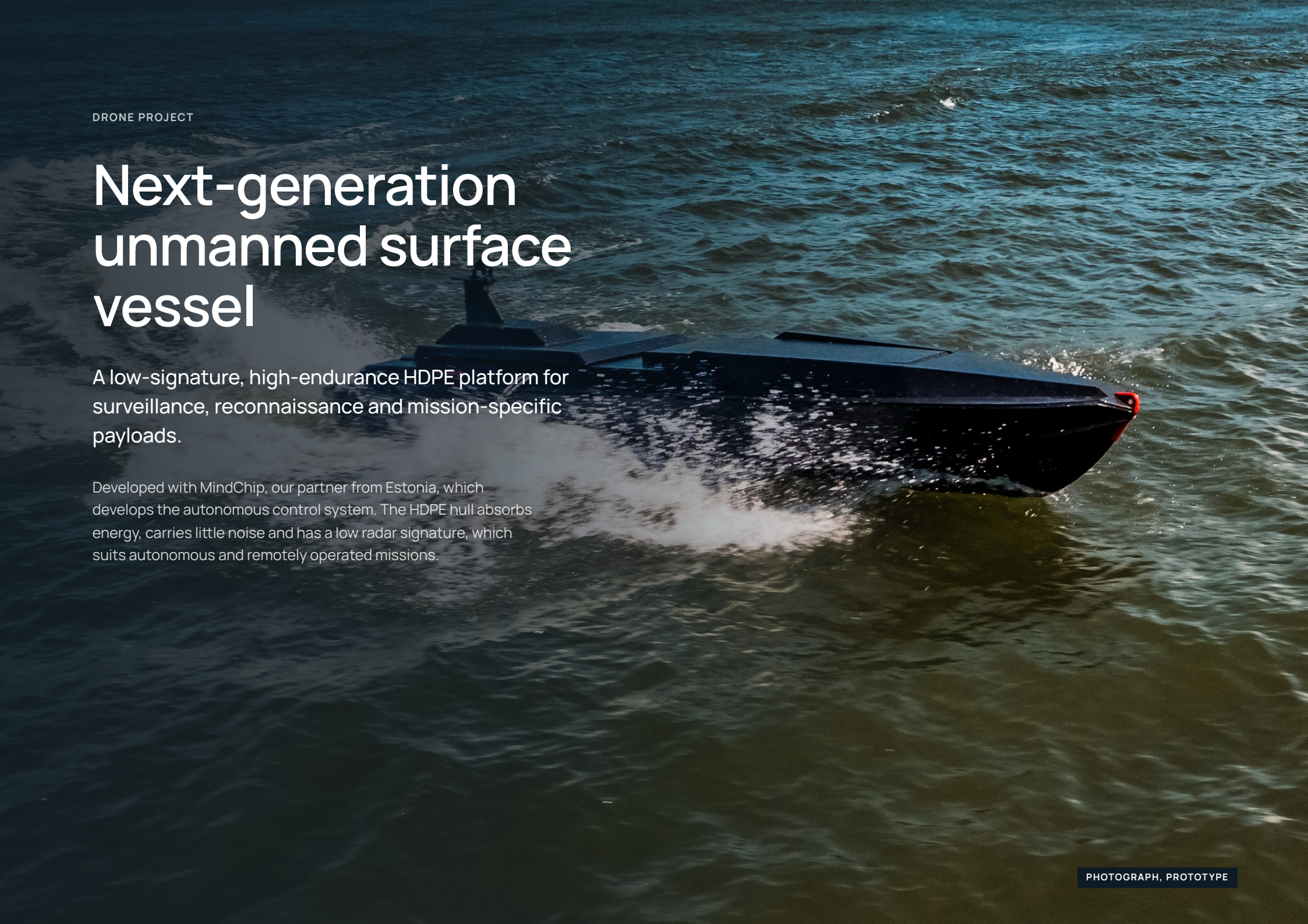
AI CONCEPT RENDER

COMING SOON

Adventurer 46

The biggest boat we offer today, on the 46 PRO hull

14 m · 3.07 m beam
Enclosed cabin



DRONE PROJECT

Next-generation unmanned surface vessel

A low-signature, high-endurance HDPE platform for surveillance, reconnaissance and mission-specific payloads.

Developed with MindChip, our partner from Estonia, which develops the autonomous control system. The HDPE hull absorbs energy, carries little noise and has a low radar signature, which suits autonomous and remotely operated missions.

PHOTOGRAPH, PROTOTYPE

Built to order

Each Larsen boat is custom-built to the customer's exact specifications. Tell us what the boat must do, and we will say which hull fits and what would change.

What decides the boat

- Where you launch, and whether the boat goes by road
- How many people it carries, and whether a stretcher must fit inside
- An open deck, or a cabin for long shifts
- How far you must reach, and how fast

What we can fit

A crane or davit, towing gear, a fire pump, survey equipment, heating, and seats to suit. The deck, cabin and equipment follow the job.

Another length is possible too, between 6.5 and 17 m.

Buying by tender?

Send us the specification, including any rule on material. We will tell you what we can meet as it stands, what would have to change and what we cannot do.



PHOTOGRAPH

Larsen[B]

Request a quote

Ready to begin your project? Tell us what the boat needs to do, and we will prepare a proposal that fits.

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SCAN TO REQUEST A QUOTE

THE YARD

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ABOUT THIS BOOK

Edition 01, November 2026. Figures are those published on larsenb.com at that date. Pictures marked AI concept render were made with AI to show the idea. They are not photographs, and their fittings, seats and proportions are not final. Pictures marked Design render come from the project's design files.