



KRAKA
JET BOARD

FEATURING

**Evo
Logics®**

**AUTONOMY & DIVE OPS
PACKAGES**



**SOME FEAR CHANGE.
OTHERS DRIVE IT.**

The tactical jet board that totally changes your maritime capability

Kraka upgrades your ability in how you operate – when silence, low profile, accessibility, and agility are crucial for the mission's success.



Originating from the cold and darkness of Sweden, tested in one of the roughest archipelagos there is.



Enhanced mission capabilities developed by EvoLogics in Germany, an experienced partner in advanced maritime security.

Kraka is designed and developed to the highest level of detail, because there is no room for doubt on an urgent mission.

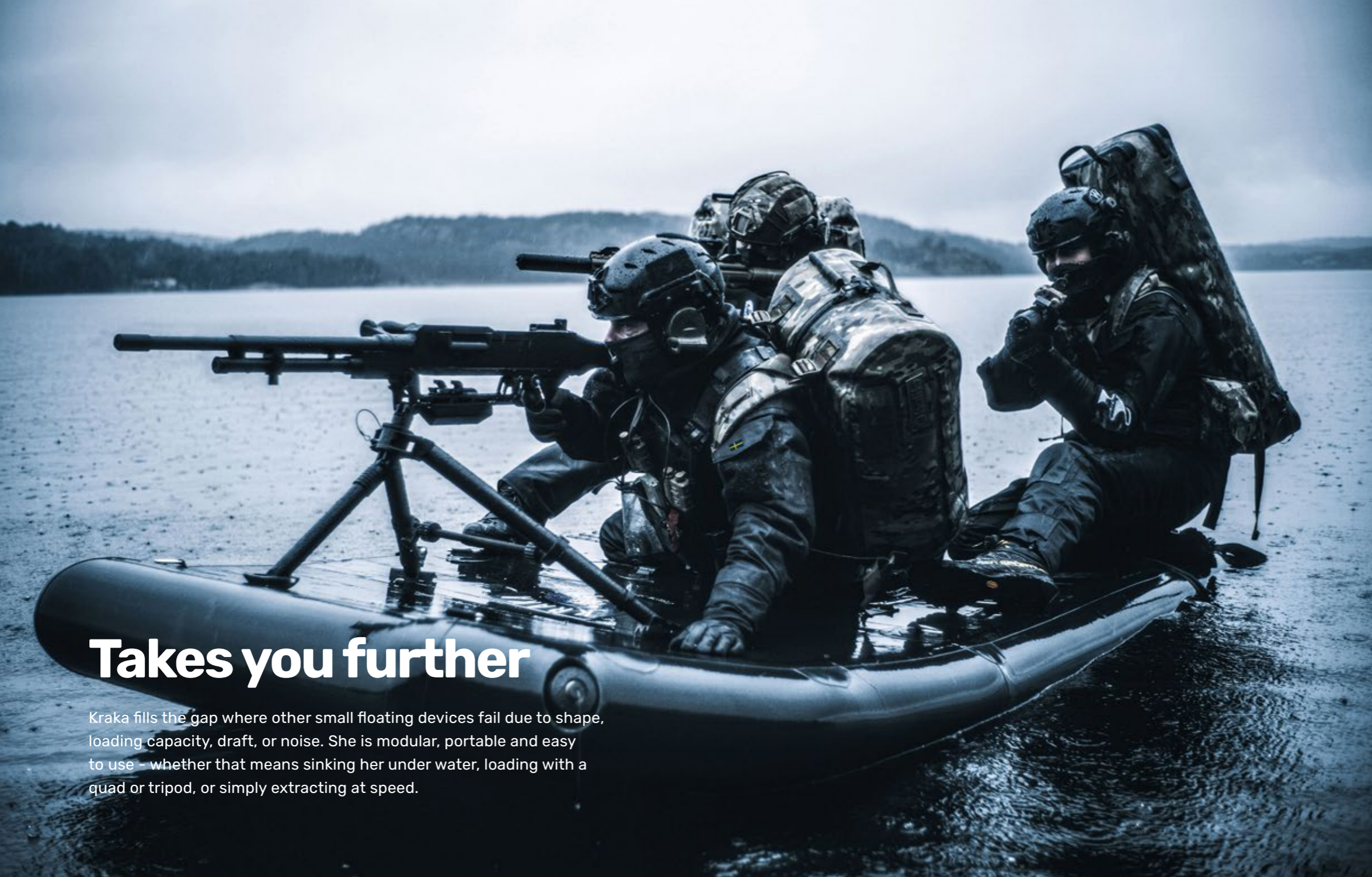
Kraka can be operated manned or unmanned, she is versatile and useful in many situations, from reconnaissance and below radar insertions to river crossings, beaching, last mile transport, overwatch, boarding, recovery, rescue operations and other stealth mode missions.

Manufactured in Gothenburg, Sweden.



KRAKA
JET BOARD

PART OF
SOAL
MARINE GROUP



Takes you further

Kraka fills the gap where other small floating devices fail due to shape, loading capacity, draft, or noise. She is modular, portable and easy to use - whether that means sinking her under water, loading with a quad or tripod, or simply extracting at speed.

Areas of Application

- + OPEN WATER & WHITEWATER OPS
- + AIR DROP
- + UNDERWATER CACHE
- + DIVER'S SUPPORT
- + BOARDING
- + POLICE MISSIONS
- + RECONNAISSANCE
- + UNMANNED
- + TRANSPORTING EQUIPMENT
- + LAST MILE TRANSPORT
- + K9 MISSIONS
- + CAMOUFLAGE
- + INSERTION / EXTRACTION
- + RESCUE MISSION
- + HARBOUR PROTECTION
- + MARKING; RIVER CROSSING
- + EOD
- + DIVER SUPPORT PLATFORM
- + PLACING SENSORS
- + SWARMING



Low profile boarding platform



3 models in different sizes

16 knots maximum speed

600 kilos maximum payload



Unmanned delivery

Underwater cache

Hide or transport Kraka under water.

Quick to cache

1. Open dump valves in bow to deflate
2. Open the drain plug to fill the drive unit with water
3. Let the battery weight sink Kraka
4. Lie on the board and relax for 20 seconds...

Electronic cache inflation package

Preset inflation based on time, depth, contact with water, manually, or on a combination of those. Combine with beacon to track after auto inflation.

DIN or yoke inflation package

Manually inflate Kraka with a DIN or Yoke system.

Underwater camouflage netting

Reversible under water camouflage net available as add on.

Drift anchor

Secure Kraka to the seabed with a drift anchor.

Dive Ops package

Complete under water control With Evo Logics Dive Ops package, the cached Kraka underwater location is visible and trackable to own dive teams on their Diver Navigation map and can be located in an instance. Trigger inflation remotely from your Diver Comms system.

3 seconds rapid inflation

8 meters depth rating

26 meters depth with dive bag

Air to target

Overwater deployment of the Kraka Jet Board provides the end user with an unmatched and previously unattainable maritime capability for rescue, recovery and tactical insertion operations.

Parachute harness and airdrop barrel system as add ons.

Kraka can also be used as a seaborne, remotely controlled drone.



- 1** minute from airdrop touch down to take off.
- 5** sea state capability
- 30** cm draft for shallow water operations



Urban waterways

Easy in, easy out.



River transport with tripod mount

Kraka beats any terrain

Kraka is light weight and packs small, making it possible to bring her as an asset into many different operations.



Operates in both cold and warm environments



Sea state 5



Rescue transport



Able to operate in waters that have debris and may be shallow.



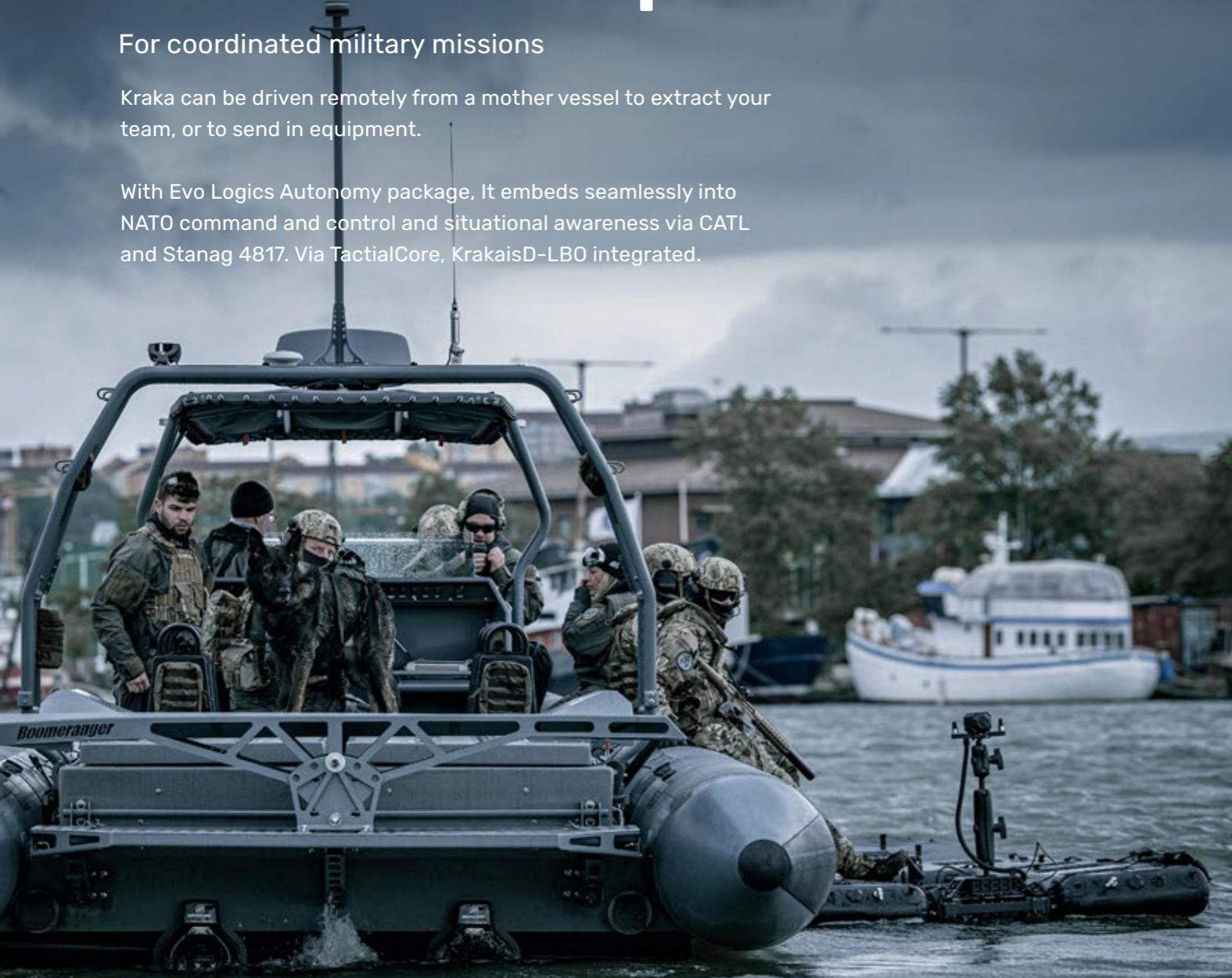
Camouflage systems

Last mile transport

For coordinated military missions

Kraka can be driven remotely from a mother vessel to extract your team, or to send in equipment.

With Evo Logics Autonomy package, It embeds seamlessly into NATO command and control and situational awareness via CATL and Stanag 4817. Via TacticalCore, KrakaisD-LBO integrated.



Kraka increases any unit's capacity to conduct successful operations in lakes, rivers, deltas, swamps, archipelagos, urban water areas, coastal waters and at sea.



10 Nautical miles of data connectivity for remote operations

GLOBAL connectivity via satellite

FULL command and control through Tactical Core / D-LBO

HAND-HELD remote control (300 m range)

12 nautical miles max range on one battery, can be swapped at sea

40 knots towing speed, varies on operator and sea state

90 kilos total Kraka weight

Leave no one behind

The flexibility and modularity that Kraka offers is unique. EOD teams will find it useful to transport explosives remotely while K9 operators can use the same platform to bring the dogs along for the ride, or a unit placing sensors in a protected marina, or carrying out reconnaissance missions in a jungle environment with a multi-spectral IR camouflage and gyro stabilized thermal cameras, or divers using it for support.

Kraka is at heart a modular platform that is easily set up for different tasks. The largest board loads 600 kg, and the smallest 250 kg, only your imagination sets the boundaries for how you make the kilos count.

To set it up for K9 a splash guard in the bow can be fitted, giving the dog a place to rest.



Unmanned Kraka Operation

Kraka Jet Board offers, in partnership with EvoLogics, fully autonomous capabilities and integrations with a wide variety of sensors and hardware options. Enabling user-friendly and effective operation with mission planning and active engagement.



Autonomy package

Operate your Kraka remotely in complex tactical missions.

PACKAGE INCLUDES

- #1 Autopilot and autonomous waypoint navigation
- #2 Remote control from a mother vessel, command center, or mission team
- #3 Seamless embedding into NATO systems via CATL and Stanag 4817
- #4 Integration with Tactical Core for D-LBO readiness
- #5 Hardened for front-line situations with GPS anti-jam and anti-spoof system. Military anti-jam long-range communication.

Communication

- 10 nm via long-range datalink
- global link via satellite
- 300 m hand held remote control
- D-LBO, Tactical Core
- Stanag 4817, CATL

**EVOLOGICS
ADD-ON PACKAGE**

EvoLogics®

Dive Ops package

Fully team up your Kraka with Dive Ops teams and with autonomous under water equipment.

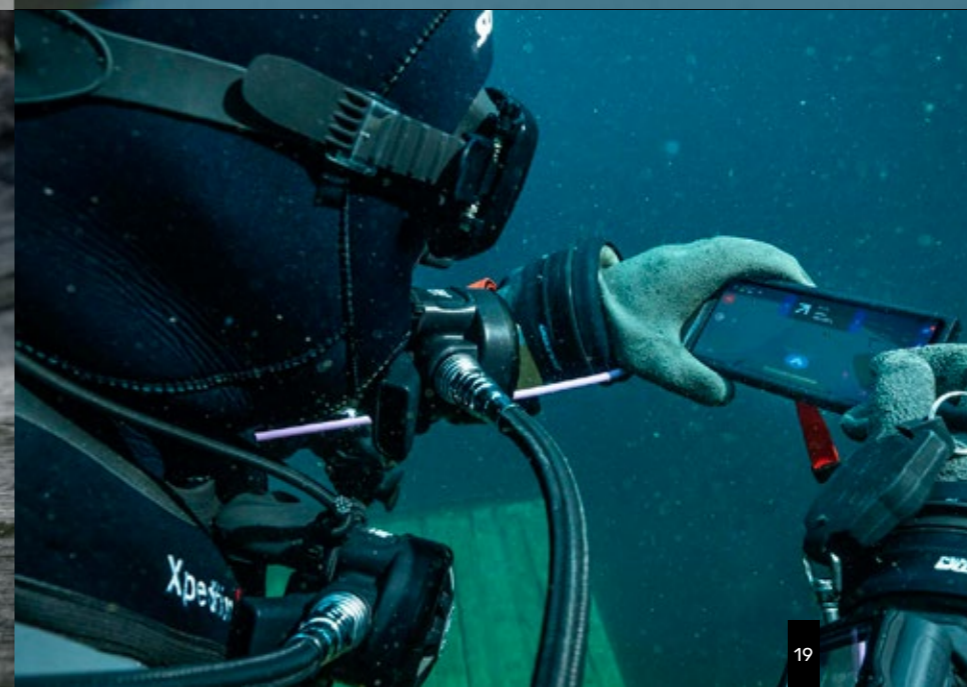
PACKAGE INCLUDES

- #1 Provide under water data network and exact georeferenced positioning for dive teams, dive scooters, and autonomous under water vehicles (Quadroin, Poggy).
- #2 Kraka will act as a mobile gateway buoy to link your under water dive team with mission command in real-time.
- #3 Provide real-time target information and waypoint updates to your dive team and AUVs.
- #4 Set Kraka to autofollow mode and it will stay (with a safe distance) in the trail of your dive team.
- #5 Your divers, from under water, can send or call the Kraka to different entry and exit points or to their current location for immediate extraction.
- #6 Your Kraka will station-keep around waypoints even in strong current.
- #7 When cached under water, Kraka will show up on the maps of your diver comms system. Divers can trigger inflation remotely.

Communication via S2C 18/34 USBL system

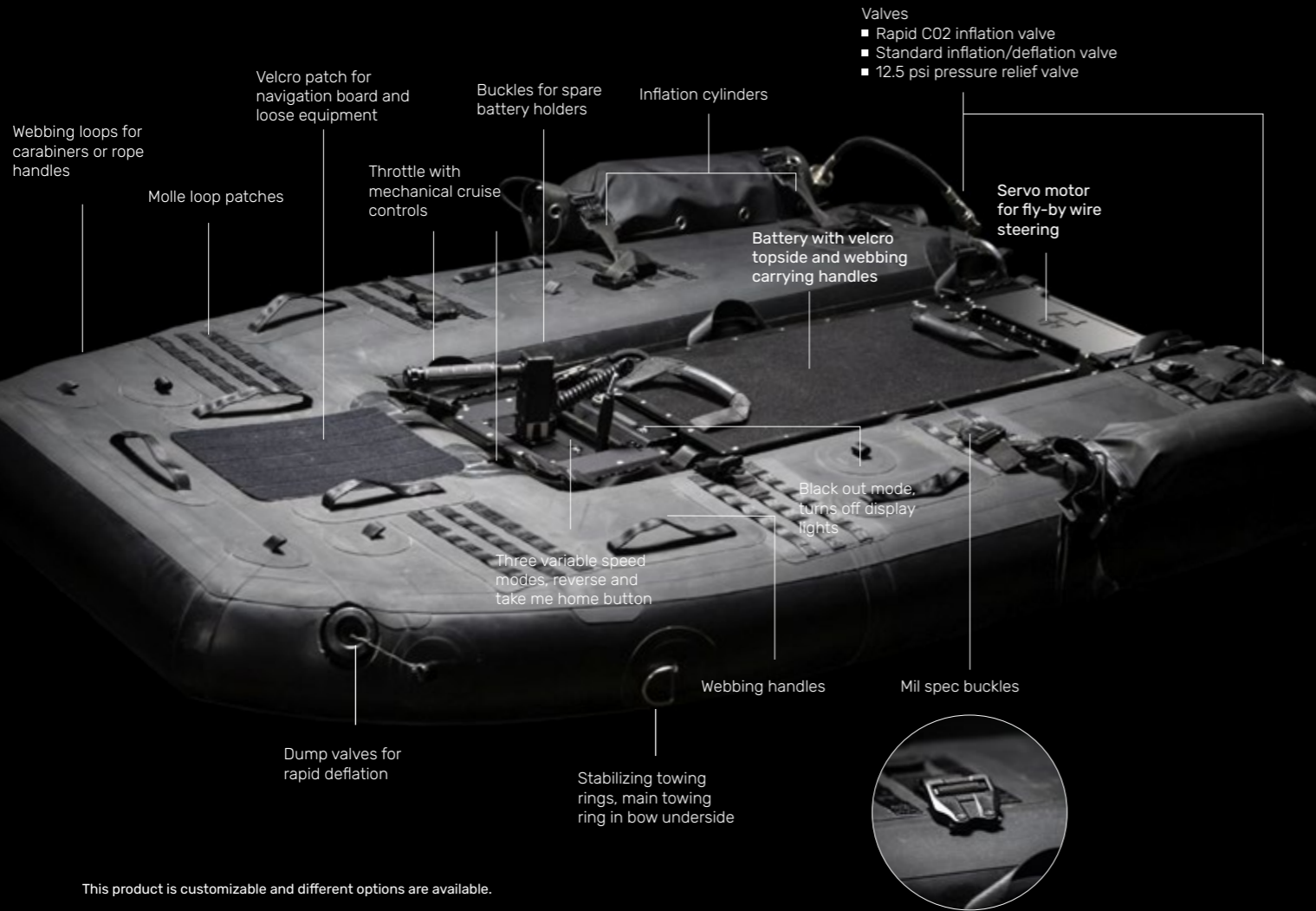
**EVOLOGICS
ADD-ON PACKAGE**

EvoLogics®



Get your facts straight

The board is designed and built to the highest level of detail, qualified for real life military situations when it comes to both capacity and reliability.



This product is customizable and different options are available.



MacArtney connectors, battery is mateable even under water



Helm box with 24 V outlet for external equipment

Materials - Swedish Quality



Nothing is left to chance. The board is made out of Hypalon, a proven fabric that can withstand both warm and cold climates.

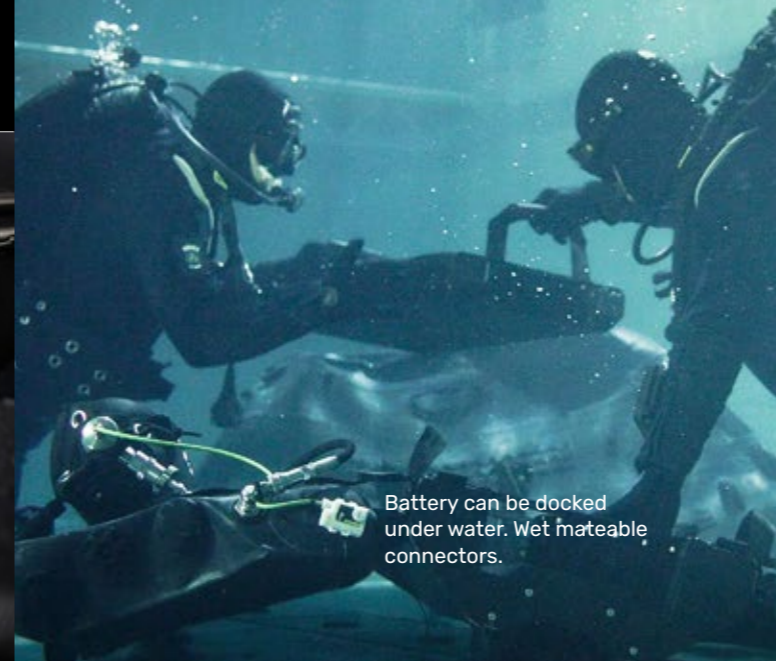
The connectors are rated to 800 meters, to us it means we can handle the batteries and all electronic connections in and out of the water. The hulls are made in autoclave, this reduces weights yet maintains durability.

The battery cells are from SonyMurata and are rated among the best cell types out there. We've created a battery design that allows you to sink the battery under water, stand on it, use it in the cold and yet rely on it every time you go to use it. It's certified for hassle free logistics.

For in depth technical details contact us to request a copy of the Kraka "Technical Requirements Document"

Kraka is available in the following colours

Black, Military Grey, Orange and Army Green.



Battery can be docked under water. Wet mateable connectors.

Simple, safe and reliable

KRAKA	MIL 250	MIL 400	MIL 600
FOLDED SIZE w/drive unit			
LENGTH	CENTIMETER 145	CENTIMETER 163	CENTIMETER 160
WIDTH	57	61	53
HEIGHT	30	36	41
DRIVE UNIT SIZE			
LENGTH	CENTIMETER 136	CENTIMETER 136	CENTIMETER 136
WIDTH	51	51	51
HEIGHT	32	32	32
INFLATED SIZE w/drive unit			
LENGTH	CENTIMETER 220	CENTIMETER 300	CENTIMETER 340
WIDTH	122	140	160
HEIGHT	38	38	38
DRAFT	25	25	25
BATTERY SIZE			
CENTIMETER			
LENGTH (EXCL. HANDLE)	80		
WIDTH	42		
HEIGHT	8,4		
WEIGHTS			
KILO			
BOARD	20	30	45
BATTERY	34		
DRIVE UNIT EXCL. BATTERY	33		
DRIVE UNIT DATA			
EMERGENCY BUTTON	Yes		
CRUISE CONTROL	Yes		
APPROVED FOR AIRFREIGHT	Yes, UN 38.3 certified		
USV READY	Yes		
BATTERY CHARGING TIME	180 min		
BATTERY RANGE	10 to 25 km on one battery		
ENGINE POWER	15 kW		
SERVO STEERING MOTOR	Yes		
WIRED THROTTLE	Yes		
24V EXTERNAL POWER	Yes		
SAFETY DEPTH	8 meter (26 meter with dive bag)		
BATTERY TYPE	Lithium-ion		
BATTERY CAPACITY	3.8 kWh		
FEATURES			
CACHING	8 or 26 meter		
AIRDROP	Yes, harness or barrel		
TOP SPEED	16 knots		
PAYLOAD	250 kilos	400 kilos	600 kilos
SELF DEPLOY SYSTEM	Yes as option		
SERVICE PROGRAM	Yes as option		
SPARE PART PROGRAM	Yes as option		
MODELS	Air/dive/transport		



Kraka is light weight and packs small



Three sizes – three different payloads.

KRAKA MIL 250

220 X 122 CENTIMETERS, PAYLOAD 250 KILO



KRAKA MIL 400

300 X 140 CENTIMETERS, PAYLOAD 400 KILO



KRAKA MIL 600

340 X 160 CENTIMETERS, PAYLOAD 600 KILO



KRAKA CUSTOM

We design and build custom Kraka models for specific requirements.



Service & maintenance

Kraka is built in modules, making it easy to maintain and exchange any part necessary.

SOAL offers service and maintenance training courses including spare part and special tool packages. Our heritage is largely based on training through our brand, Spectre Marine Training, known for training special forces since 2005.

With five camps internationally we offer realistic based FINEX courses tailored for your requirements. If you prefer that we service and maintain your boards please see price list for options.



Enhance your capabilities

Adapt your Kraka's ability to different mission profiles.

SAMPLE CONFIGURATIONS

Kraka recon / situational awareness

Daylight & thermal camera, audio / gunfire detector, sonar, weather station, radar, dead reckoning / ADEPT / GPS denied environment and drift anchor

Kraka relay station with tethered drone

Tethered drone integration for improved surveillance and long range communication

Kraka rescue

Kraka platform with gyro stretcher and medic kit for combat rescue

Kraka Target illumination

Target illumination with laser and visual

Kraka C-UAS

Drone jammer and detection system

Camouflage netting

Common add ons

NAV BOARD

CLIP ON WHEELS FOR TRANSPORT

CAMOUFLAGE NET WITH TENT STRUCTURE

EXTRA BATTERY PACKAGE

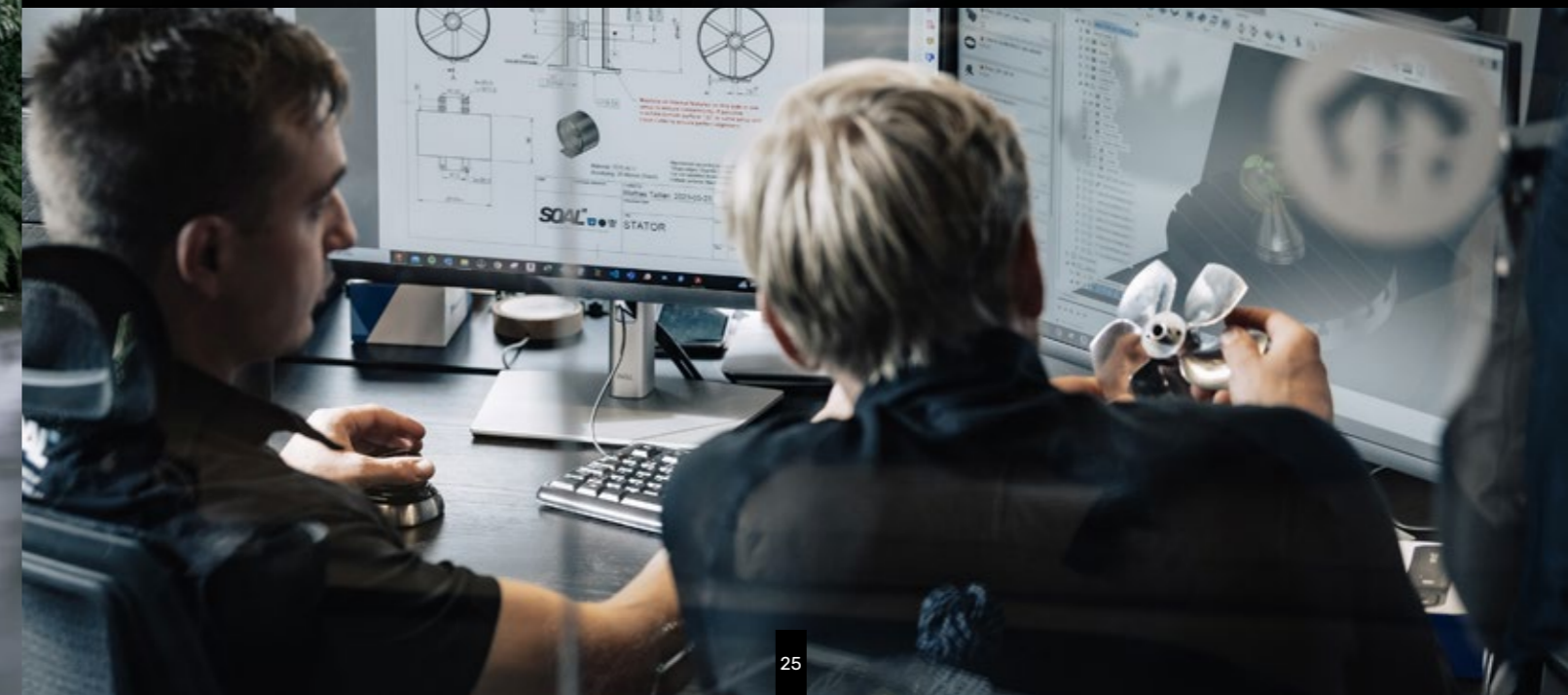
TRANSPORT BOX

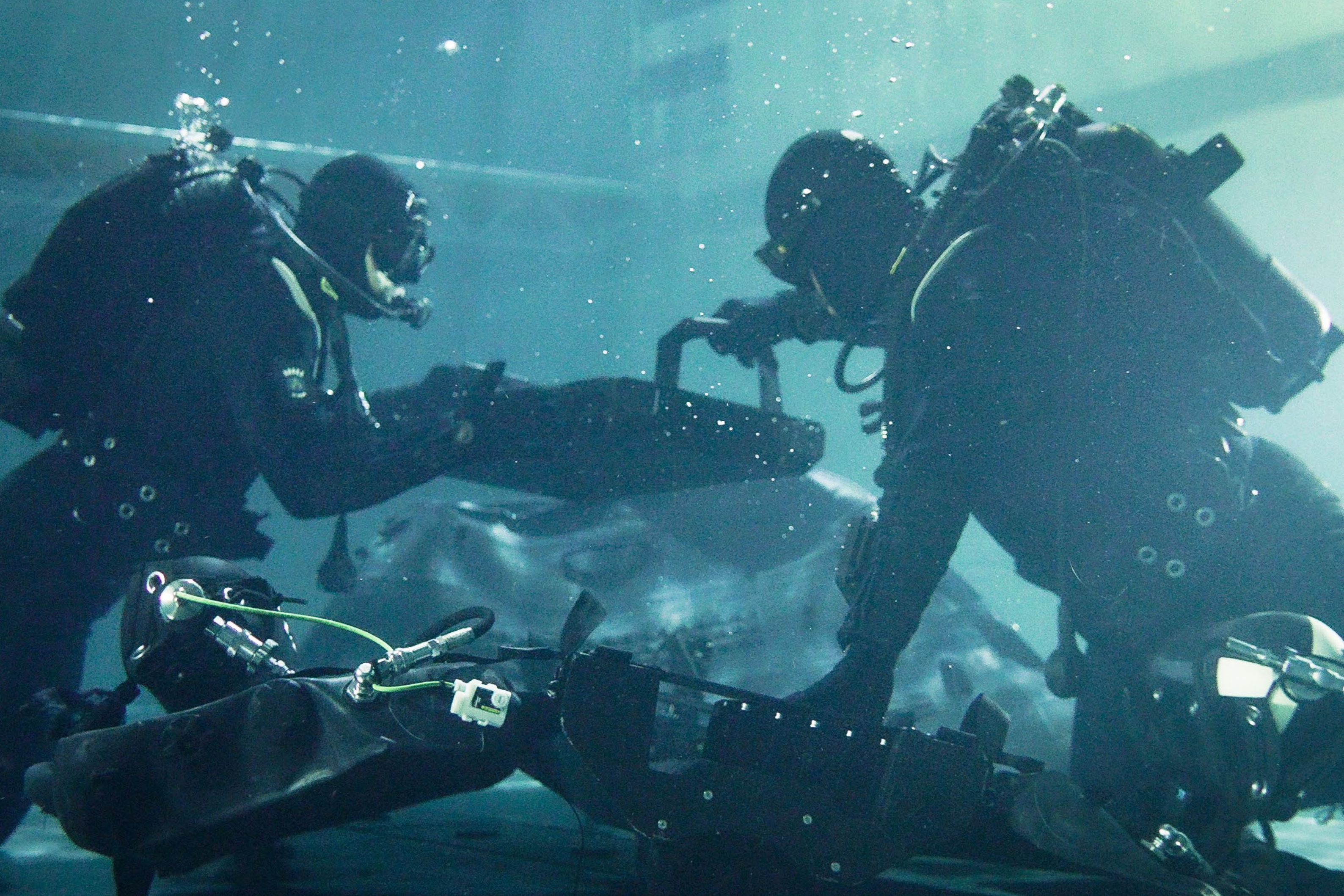
DIN & YOKE INFLATION SYSTEMS

LIFTING SLING

EBS WITH MOLLE BAG

ROPE BAG







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Evo
Logics®

Reach beyond



Kraka is a product by SOAL Marine Group. We create cutting-edge maritime products and services. We combine competence and innovation in a way that reaches beyond ordinary horizons.

Our mission is to invent and design products that enhance your maritime capabilities, and lets you thrive, not only survive.

www.soalmarine.se



Evo Logics GmbH in Germany provides high-tech add-on packages for Kraka, such as an Autonomy and a Dive Ops package. We are an experienced partner for advanced maritime solutions.

www.evologics.com