SUEX


# GOLDFINDER

SERIES

SUEX

# COMMITTED.

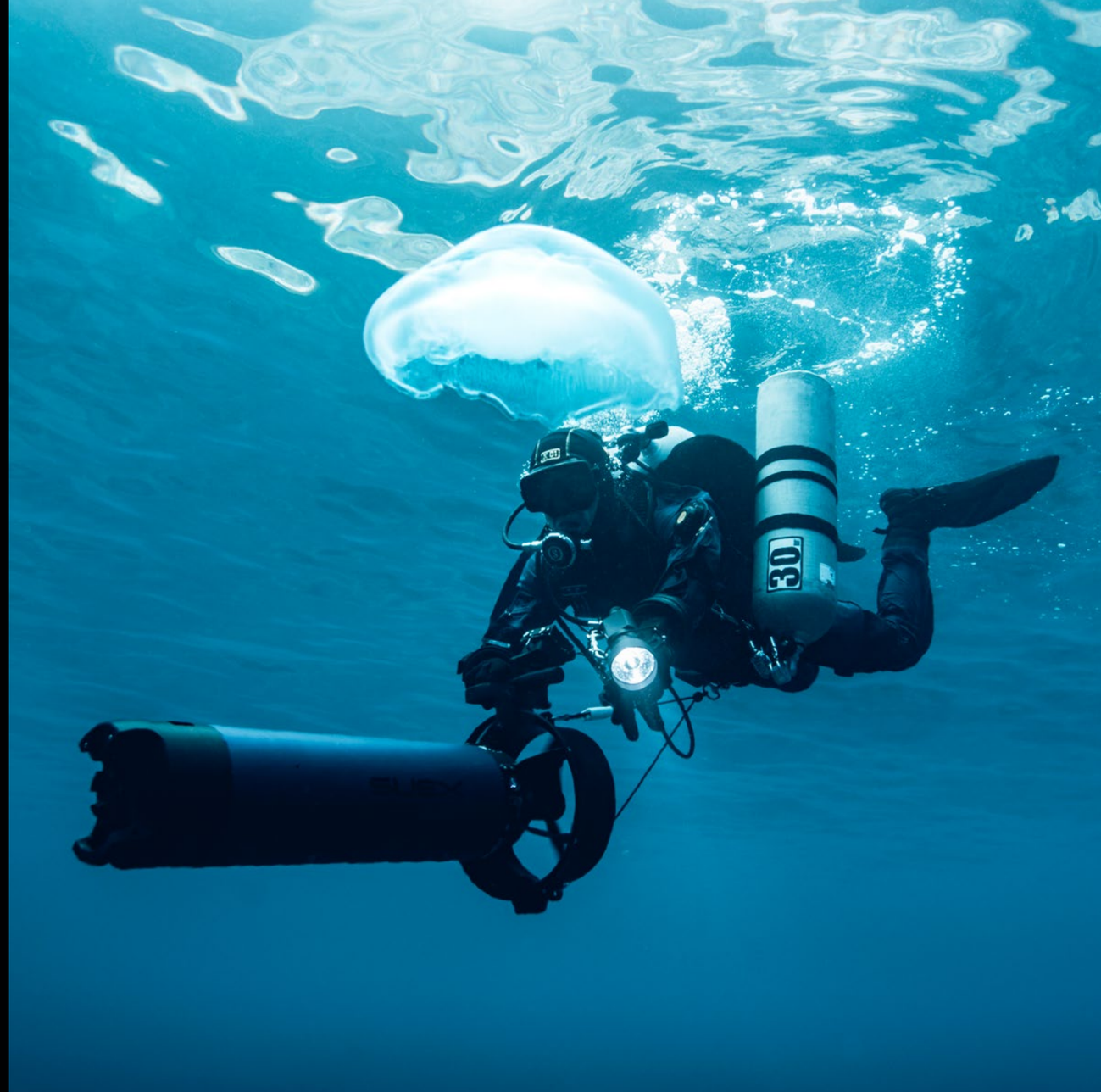
For over 25 years, SUEX has led the way in underwater exploration, setting new standards of excellence for professional and technical divers. The Goldfinder Series embodies this legacy, representing the pinnacle of our commitment to crafting tools that combine advanced engineering, cutting-edge technology, and refined design to meet the rigorous demands of underwater professionals.

Born from the passion of two visionaries in 1999, SUEX started as a bold dream to create the ultimate underwater propulsion systems. Today, this dream thrives in our headquarters in Treviso, where a team of multidisciplinary experts designs, tests, and produces solutions that redefine the limits of technical and professional diving. With the Goldfinder Series, we have elevated performance, precision, and reliability to new heights, offering divers the confidence to master even the most challenging environments.

The Goldfinder Series is not just a product line; it's the result of decades of research, relentless testing, and a deep understanding of the needs of those who depend on their equipment to perform flawlessly. From extended cave penetrations to demanding military missions, these DPVs are the embodiment of our philosophy: creating tools that empower divers to go further, dive safer, and achieve more.

SUEX and the Goldfinder Series are a celebration of innovation, resilience, and the enduring spirit of exploration. As we continue to push the boundaries of what's possible, we invite you to join us in conquering the depths with the precision and excellence that define the SUEX name.

SUEX



SUEX

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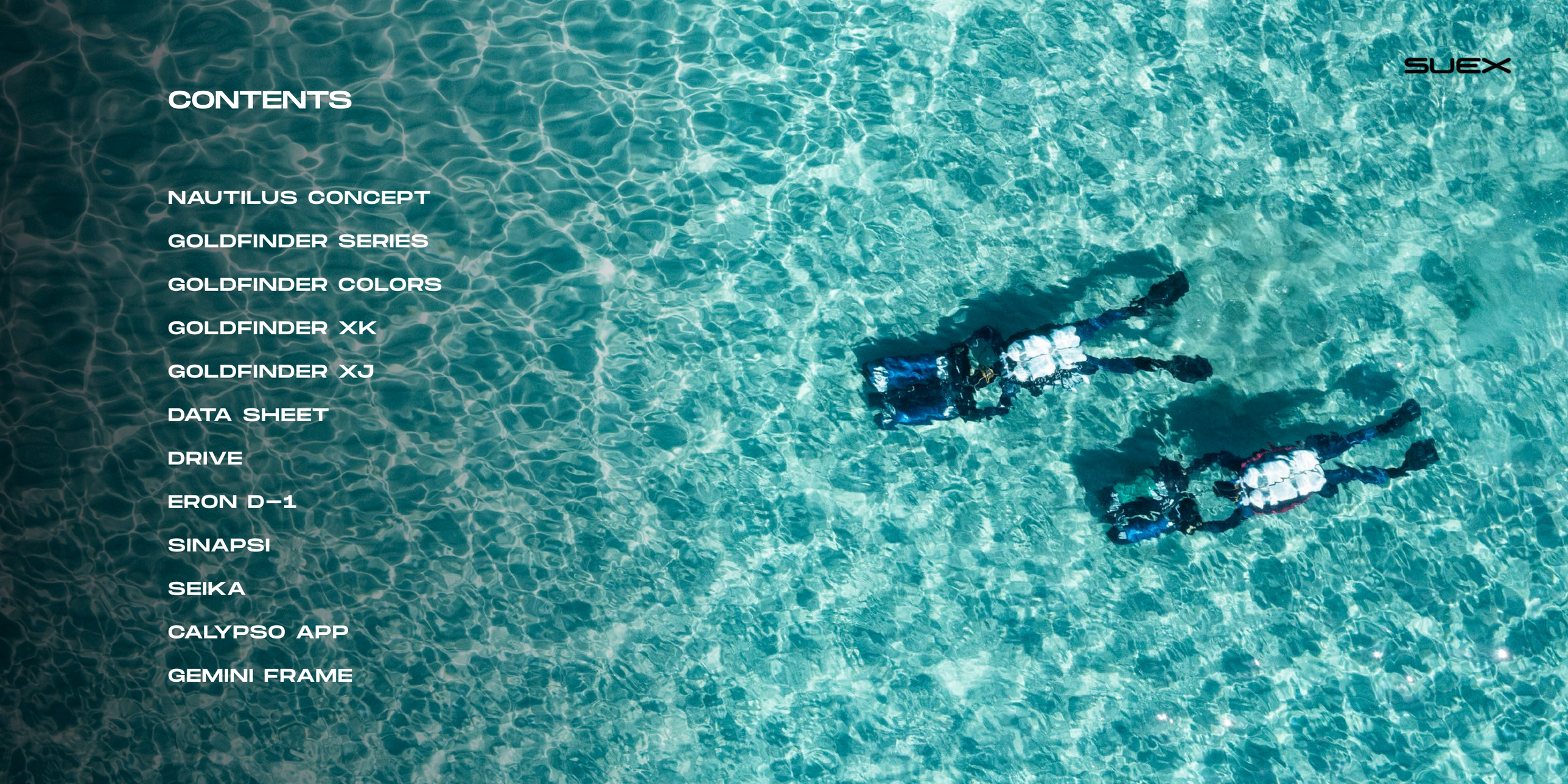
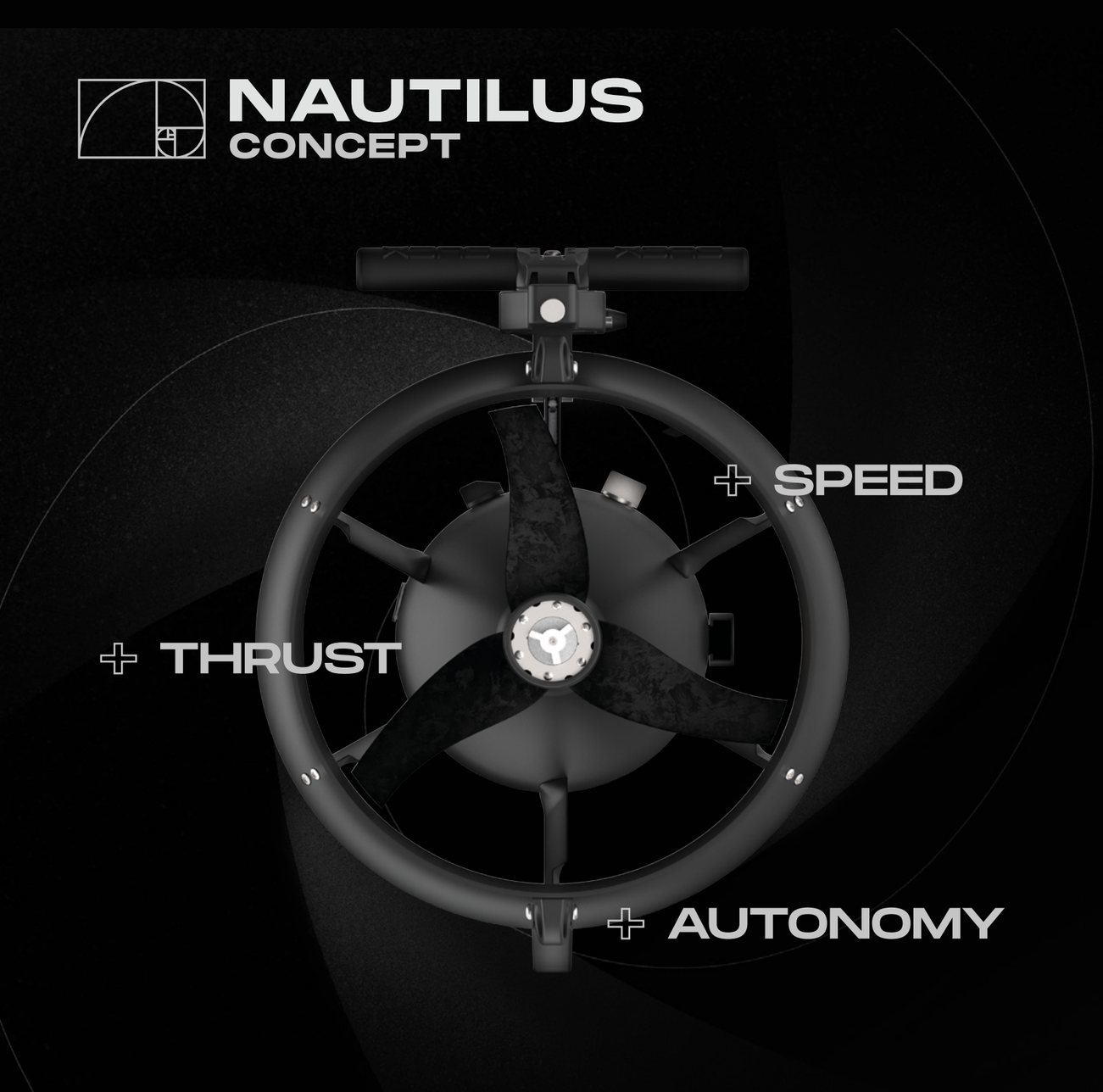


# NAUTILUS
## CONCEPT

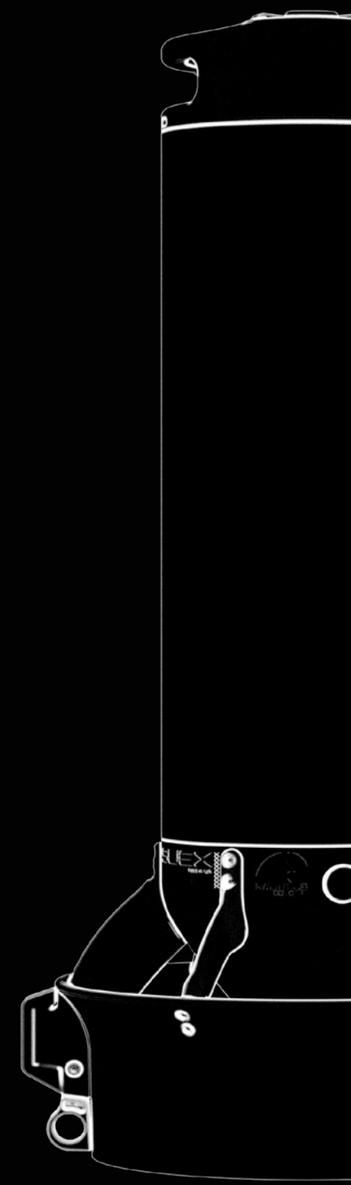



## ALL THE ELEMENTS WORKS IN SINERGY FOR THE BEST PERFORMANCE

The Nautilus Concept, integrated into SUEX's Goldfinder series, revolutionizes stability and maneuverability in high-performance DPVs. With advanced hydrodynamic design and optimal balance, it ensures precise movements and complete control in any diving condition.

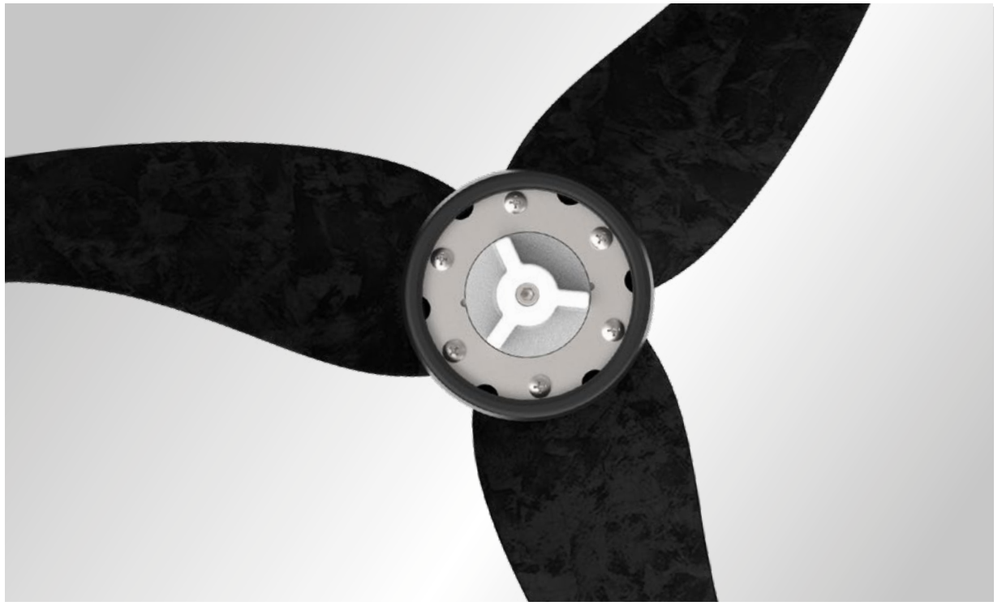
Engineered for superior performance, the Nautilus Concept reduces diver fatigue, optimizes energy consumption, and perfectly adapts to the needs of explorers and professionals.

In the Goldfinder series, it delivers an unparalleled underwater experience where efficiency and reliability meet ultimate comfort.



INTEGRATED SYSTEM
OF TECHNOLOGICAL INNOVATIONS
THAT RADICALLY IMPROVE

# PERFORMANCE AND NAVIGATION



## PROPELLER DESIGN

The Goldfinder propeller combines a completely new and cutting-edge design with new materials for excellent performance. Thanks to its advanced features, it minimizes energy waste, optimizing the delivered autonomy and maximizing the achievable distance.

## BRACKETS DESIGN

The bracket design maximizes hydrodynamic performance, reduces noise, enhances efficiency, provides an anti-torsion effect, and delivers exceptional overall performance.


## NOSECONE DESIGN

The design of the Goldfinder nosecone optimizes hydrodynamic efficiency and enables dual grip in all handling and transport conditions.


SUEX
GOLDFINDER
SERIES
SUEX
GOLDFINDER-XJ
XK-XJ

# GOLDFINDER

## SERIES
XK–XJ


+ AUTONOMY
+ THRUST
+ SPEED

Introducing Nautilus from SUEX; a new vision for navigation. Years of research and development combined with multiple cutting-edge technical elements have resulted in this innovative system that guarantees perfect stability and navigation attitude of the SUEX DPV during operation. The synergy between the design elements of Nautilus radically improves the performance of the SUEX DPV, allowing for increased propulsive thrust, autonomy and silence, together guaranteeing an unprecedented navigation experience.

01
### GEMINI SYSTEM READY

The Goldfinder series allows for dual DPV coupling using the new Gemini System: more power, built-in redundancy and maximum versatility for professional scuba divers and extreme explorers.

02
### DOUBLE–HANDLE NOSECONE DESIGN

Enhances handling and transport of the DPV in and out of the water.

03
### DRIVING ADJUSTABLE DOUBLE HANDLE

The ergonomically redesigned operating handle allows for grip customization to ensure perfect driving comfort. Right and left single handles are also available.

04
### DPV TOW CORD ATTACHMENT DESIGN

Enhances ease of use and increases operator safety in various water and reduced visibility conditions.

05
### NAUTILUS CONCEPT DESIGN


# GOLDFINDER
# XK-XJ


## GOLDFINDER COLORS

| | | |
|---|---|---|
| 01 DEEP **GOLD** | 03 JET **BLACK** | 05 MARS **RED** |
| 02 SATURN **BLACK** | 04 EARTH **BLUE** | 06 MOSS **GREEN** |

# XK

## FEATURES

**DRIVe SYSTEM NAVIGATION**

**GEMINI FRAME**
Compatible

**CALYPSO APP**
Motor, Acceleration ramp settings and Battery

**SUEX PROPLOCK SYSTEM**
easy propeller removal system



GOLDFINDER
SERIES

The XK GOLDFINDER model is a top-tier DPV designed for technical and professional divers, ideal for long-range and cave explorations. Equipped with a high-capacity Li-ION battery, it delivers up to **360 minutes of runtime at cruising speed** and **110 minutes at a top speed of 100 m/min**.

With a maximum depth rating of **200 meters**, it ensures safe and reliable performance for deep dives. Integration with the **Calypso app** provides real-time monitoring of the DPV's status, while pairing it with the **Eron D-1 dashboard** unlocks advanced functionalities such as dive recording, depth tracking, and heading data analysis.

NAUTILUS
CONCEPT

# XJ

GOLDFINDER
SERIES

## FEATURES

- **DRIVe SYSTEM NAVIGATION**
- **GEMINI FRAME**
  Compatible
- **CALYPSO APP**
  Motor, Acceleration ramp settings and Battery
- **SUEX PROPLOCK SYSTEM**
  easy propeller removal system
- **SWITCHABLE TRAVEL BATTERY**
  travel battery NICKEL (NimH)



NAUTILUS CONCEPT

The XJ GOLDFINDER model combines durability and performance, featuring a **high-capacity Li-ION battery** that ensures **310 minutes of runtime at cruising speed** and **100 minutes at a full speed of 90 m/min**.

Its **aluminium body** and **carbon fibre PropLock propeller** enable dives up to **200 meters deep**, maintaining optimal control throughout. The battery and dive performance can be fully monitored using the **Calypso app** or the **Eron D-1 dashboard**, providing real-time insights.

When paired with the Eron D-1 dashboard, the diver gains access to advanced functionalities, including dive recording, depth tracking, and heading data for a comprehensive diving experience.

# GOLDFINDER XK-XJ


| | GOLDFINDER XJ | GOLDFINDER XK |
|---|---|---|
| **LENGHT** | 814 mm (31,1 inch) | 975 mm (38,4 inch) |
| **WIDTH** | 340 mm (13,4 inch) | 364 mm (14,33 inch) |
| **HEIGHT** | 436 mm (17,2 inch) | 462 mm (18,2 inch) |
| **BODY DIAMETER** | 197 mm (7,8 inch) | |
| **WEIGTH WITHOUT BATTERY** | 14 kg (30,9 lb) | 17 kg (37,48 lb) |
| **WEIGTH WITH BATTERY** | 20 kg (44,1 lb) | 25 kg (55,12 lb) |
| **MATERIAL TYPE** | Aluminum body | |
| **BUOYANCY / TRIM** | Neutral | |
| **IN WATER USAGE TEMPERATURE** | -5/+35 °C (°F +23/+95) | |
| **MAXIMUM OPERATIONAL DEPTH** | 200 mt (656 ft) | |
| **MAX STATIC THRUST** | 330 N (74,2 lb) | 375 N (84,3 lb) |
| **TOP SPEED** | 90 mt/min (295 ft /min) | 100 mt/min (328 ft /min) |
| **RUN TIME AT FULL TRIGGER** | 100 min | 110 min |
| **RANGE AT FULL TRIGGER** | 9 km (5,59 mi) | 10 km (6,21 mi) |
| **CRUISE SPEED** | 45 mt/min (147,6 ft /min) | |
| **RUN TIME AT CRUISE SPEED** | 310 min | 360 min |
| **RANGE AT CRUISE SPEED** | 14 km (8,70 mi) | 16,2 km (10,07 mi) |
| **BATTERY TYPE** | Li-Ion | |
| **NOMINAL VOLTAGE** | 25,2 Volt | 36 Volt |
| **NOMINAL CAPACITY** | 940 Wh | 1340 Wh |
| **MAXIMUM RECHARGING TIME** | 8 h | |
| **CHARGER POWER SUPPLY** | 100/220 Volt - 50/60 Hz | |

- Top speed is delivered with fully charged battery
- Diver : 70kg weight, 170cm high - drysuit - double 12 tanks - horizontal trim - Conditions : sea water - no flow/current


SUEX
DRIVE
DIVER REMOTE INFORMATION VIE

# ABOUT DRIVe

DRIVe is an integrated system that provides the SUEX diver with detailed information in the pre, during and post dive phases.

The innovative DRIVe system devices provide the user with strategic information for management, safety and fun during their dives.

The SUEX DRIVe navigation system is based on dead reckoning technology, a method that utilizes AHRS (Attitude-Heading-Reference-System) sensors and, through inertial data such as propulsion, speed, and orientation, continuously provides information regarding the position of a DPV (Diver Propulsion Vehicle) during navigation.

This technology makes the system particularly suitable for underwater navigation where satellite signals are absent, and if needed, can be wirelessly provided by the SMB Seika.

The combination of all elements comprising the DRIVe system ensures an extremely accurate and secure navigation experience during the diving phase.

TECHNOLOGY

## GPS VS GNSS

DRIVe uses GNSS, a global satellite network, to determine geographic coordinates.
Unlike GPS, which is U.S.-based, GNSS combines multiple systems (e.g., GLONASS, Galileo) for greater accuracy and reliability worldwide.

GPS

GNSS

EMPOWERING PRECISION NAVIGATION

# DRIVe ELEMENTS

**CALYPSO** APP

**DPV** MOTOR AND BATTERY

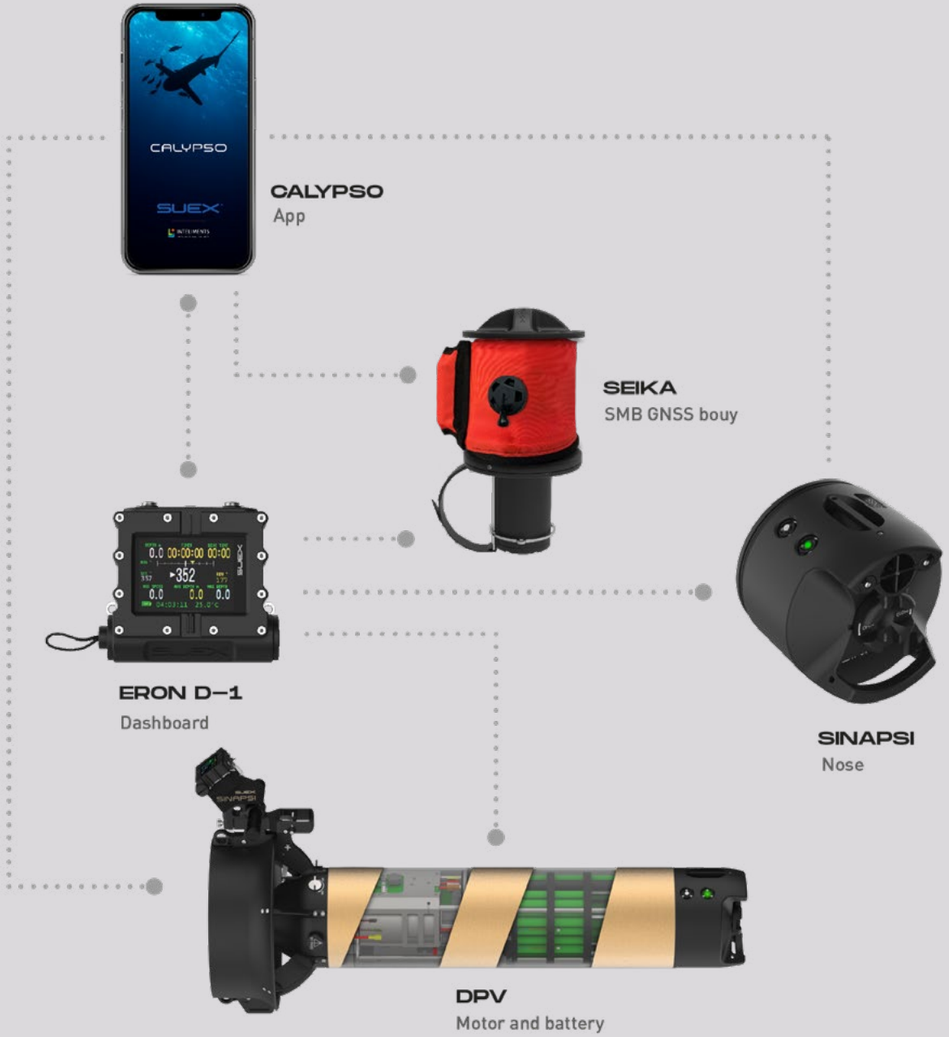
**ERON D–1** DASHBOARD

**SINAPSI** NOSE

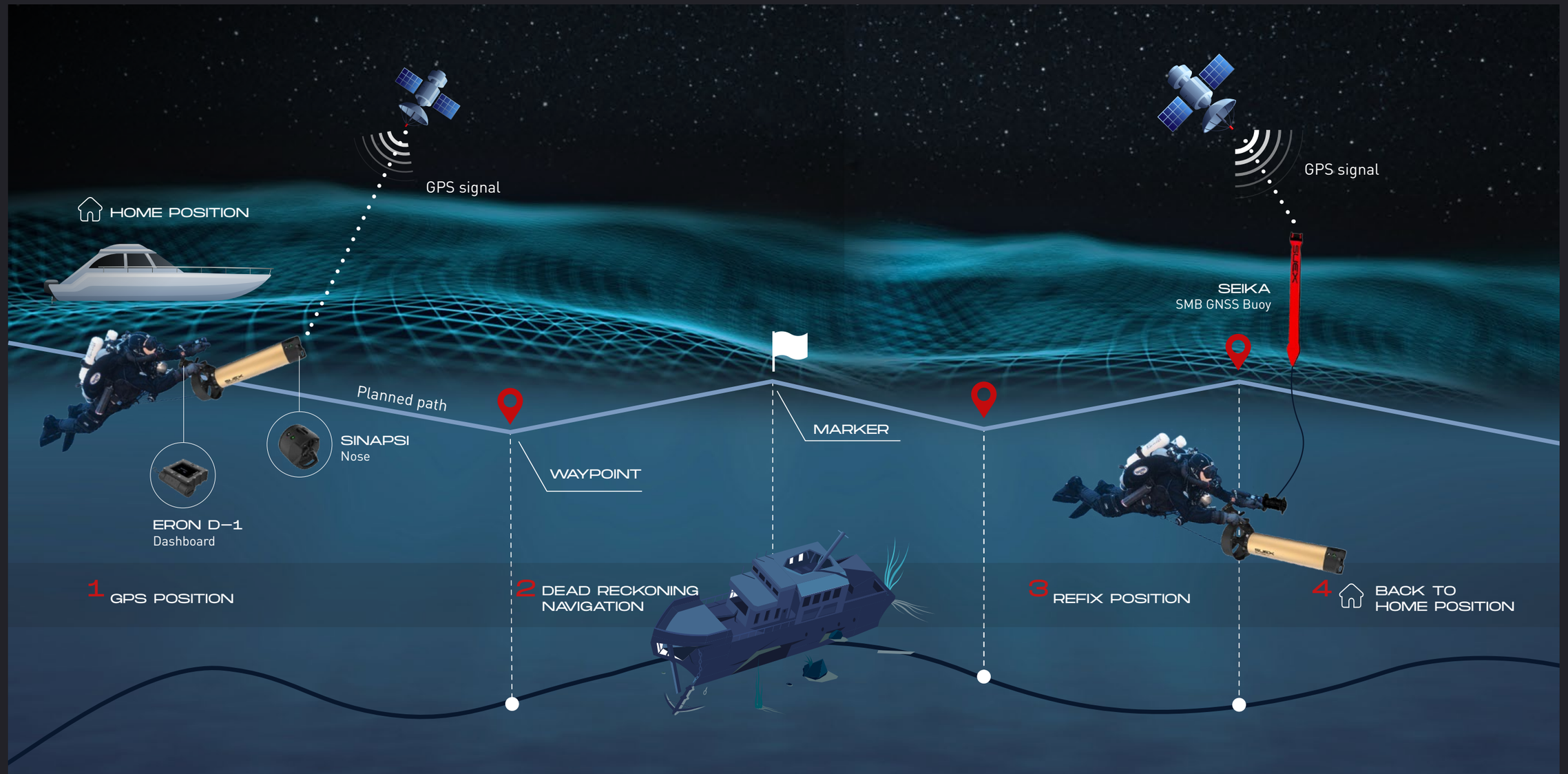
**SEIKA** SMB GNSS BUOY

PRECISION IN MOTION

DRIVE
DIVER REMOTE INFORMATION VIEW



DRIVE
DIVER REMOTE INFORMATION VIEW



# DIVE PHASES


## 1 BEFORE

Plan a path between waypoints using the Calypso App with your devices.

Geolocate the DPV first to begin the dive.

Plan a “return” home navigation path via GNSS system.

Check the health status of the battery and its charge level.

## 2 DURING

**FREE NAVIGATION:** ERON records the entire path and stores the track.

**DEAD RECKONING:** navigation when paired with the Sinapsi Nose.

**ADD MARKERS:** functions to save position markers during the dive.

**NAV TO HOME POSITION:** you can always call a Home Position and navigate following the indications of the Path Screen to return to base.

**COMPASS NAVIGATION:** navigate to the target following the predetermined route through the arrows that appear to the left and right of the path.

**GNSS REFIX:** you can reset the errors that accumulate during the estimated navigation using SEIKA buoy.

General information on the li-ion battery status during navigation including the state-of-charge (SOC) and residual runtime in minutes based on current draw.

## 3 AFTER

Download the dive data (dive time, depth, temperature, DPV li-ion battery status) to the smartphone App and/or PC.

Review a detailed dive log which also includes battery use synchronized with dive time.

Using the Calypso or PC application, view the geo-localized path covered underwater that can be exported in Csv and Kml formats.

Create a database of all dive logs including geolocated navigation data.

Recreate new paths using the saved navigation routes and/or recorded markers.

# ERON D-1 DASHBOARD


ERON D-1 dashboard is a complete underwater, diving instrument (current/max depth, bottom timer, dive log) equipped with an advanced, technical underwater navigation system able to receive, via wireless connection, the telemetry data coming from the DPV.

ERON D-1 processes the data and displays for the diver the DPV battery charge level, calculated battery duration and navigation data.


## BASE

This is the simplest mode, in which data such as dive time, depth, and heading are recorded.
This mode is available for all SUEX DPV models.

## FULL

This mode, available exclusively for the XJ, XK, and GOLDFINDER models, enhances the dashboard's capabilities. In addition to all the functions of the BASIC mode, it provides comprehensive DPV data analysis.

## EXTENDED

This mode is exclusive to DPV models equipped with the SINAPSI nose. It includes all the features of the FULL mode, with the added benefit of comprehensive navigation data.

## PRO

This mode, compatible with any DPV, enables direct communication with SEIKA, allowing for position recalibration and precise navigation using the compass.

# SINAPSI

## NOSE

SINAPSI is an optional, navigation nosecone for the SUEX  DPV that replaces the standard nosecone.

SINAPSI is equipped with sophisticated electronics to receive and process underwater navigation data acquired while operating the DPV.

The SINAPSI project is a result of many years of increasingly sophisticated research, including numerous tests and trials to optimize the system using the most exciting and current electronic technology.

SINAPSI is available for the XJ, XK and GOLDFINDER models.
The integrated speed sensor propeller allows for capturing and calculating the speed and consequently the distance traveled to the destination or from the home position.



## DRIVe FEATURES

- Path planning via smartphone, tablet and pc application
- GNSS positioning - home position
- Dead reckoning
- Compass navigation and reverse path
- Nav filter
- Heading quality index
- Compass calibration
- Quality of the compass calibration
- Calibration of the odometer
- Precise course angle in all positions
- The suex dpv motor does not affect the heading
- Distance and speed measurement
- Receiving data
- Wireless system
- iOS, Android and pc app
- Battery

# SEIKA

## SMB GNSS BUOY

Designed to significantly enhance underwater diver navigation, SEIKA uses an embedded GNSS (Global Navigation Satellite System) receiver within an SMB (Surface Marker Buoy) to capture precise diver position and communicate that position to the SUEX ERON D-1 dashboard.

The GNSS receiver accepts valid satellite positioning signals from global, commercial networks including GPS, GLONASS and GALILEO.

The diver simply deploys the GNSS-SMB receiver from depth, the satellite position is captured on the surface, the position is relayed to the diver's ERON D-1 dashboard, the diver's position is updated and the diver continues on the updated path to the next waypoint.

SEIKA can be deployed multiple times during a dive mission while also functioning as an SMB with a maximum length 12m cable.


DRIVE
DIVER REMOTE INFORMATION VIEW

Wireless transmission data to ERON D-1 dashboard

GNSS reciver

SMB design

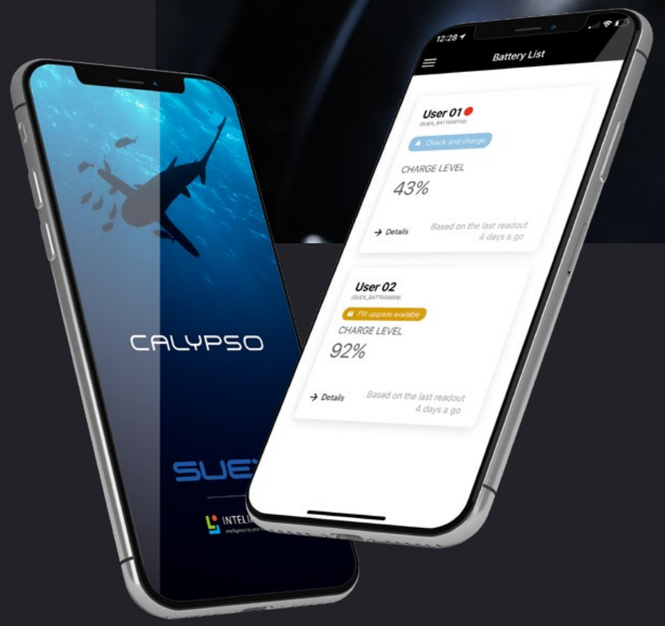
Refix absolute position

# CALYPSO

## APP

CALYPSO, available for Android and iOS devices, improves the navigation experience and provides the diver with useful information on the DPV by recording essential data before and after the dive.

Compatible with the entire SUEX DPVs line, the CALYPSO app also interacts wirelessly with the ERON D-1 dashboard.


Download on the App Store

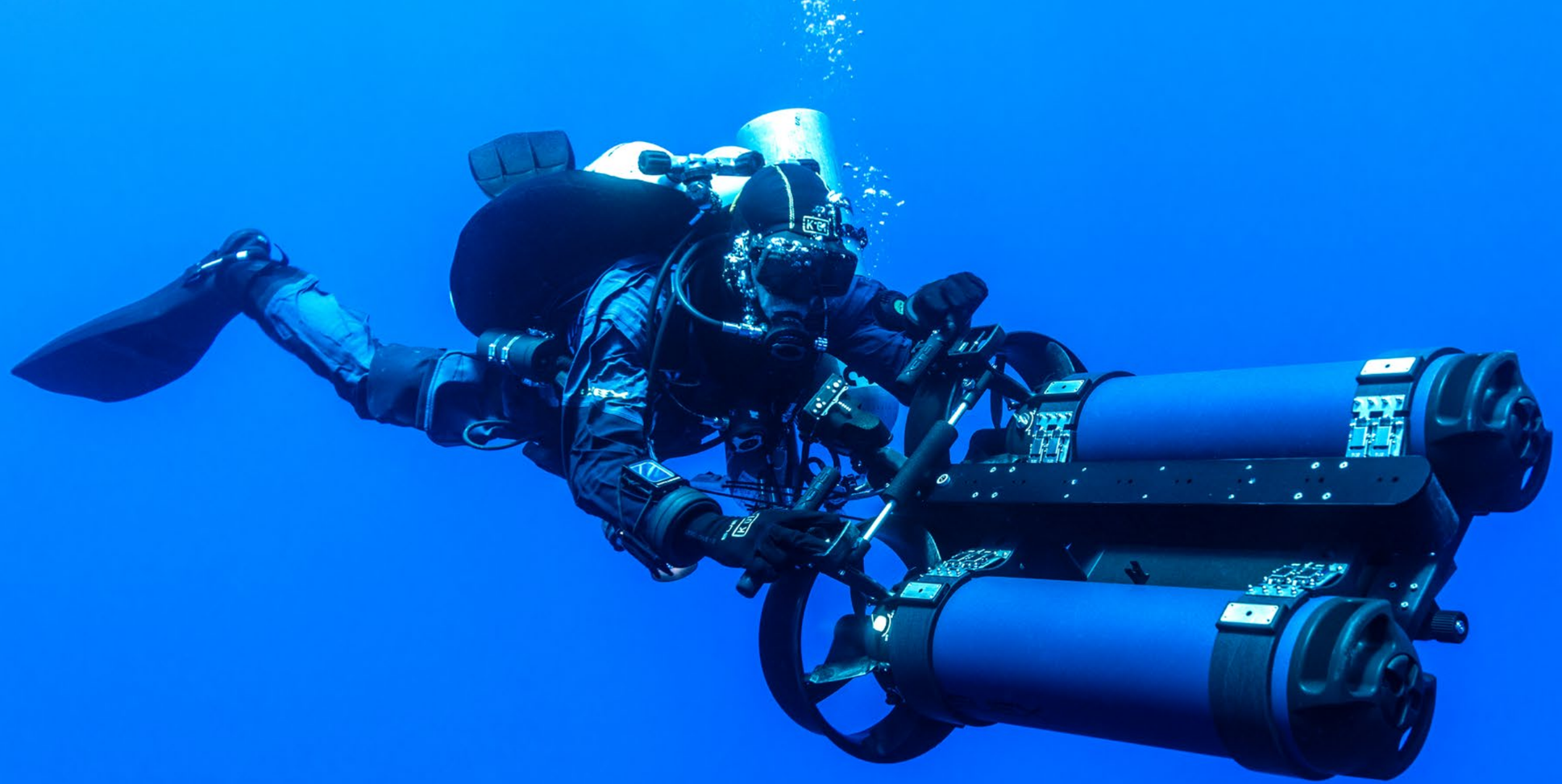
GET IT ON Google Play

Connect and manage your devices

Plan a waypoint navigation

Dowload and share your dives

Review your path and selected markers

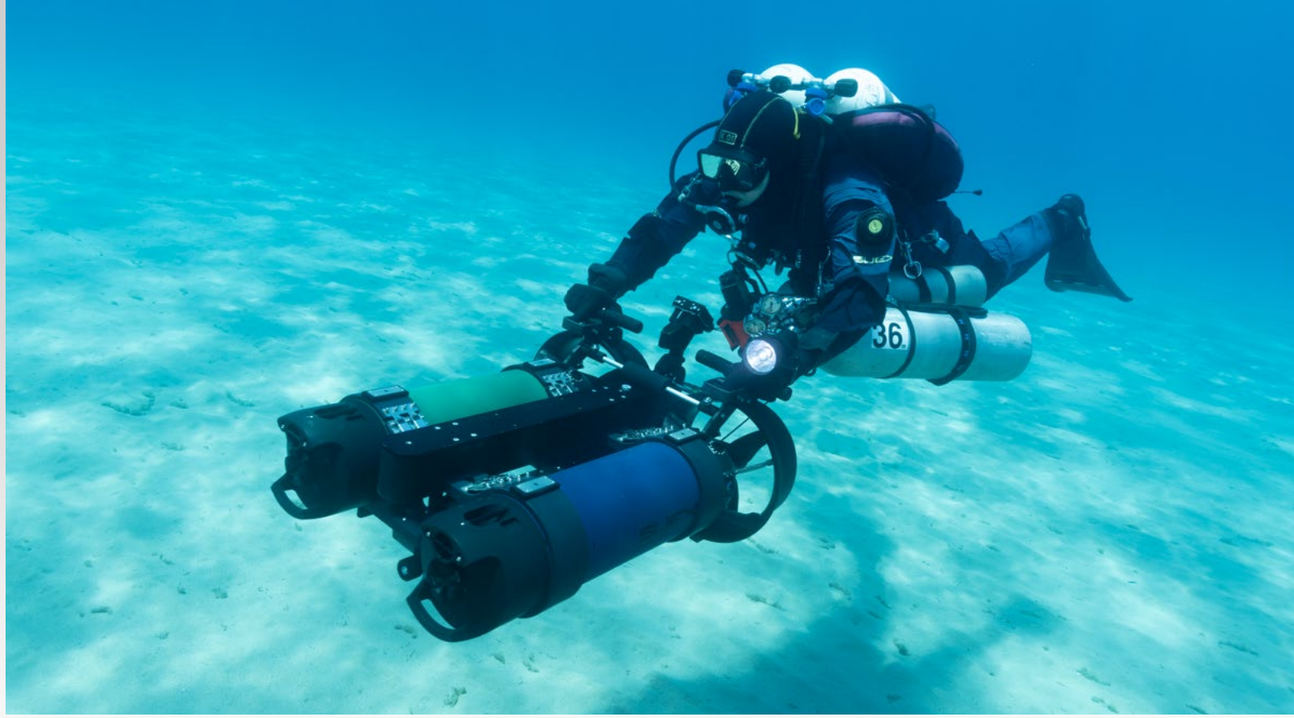


# GEMINI

FRAME

# GEMINI

## FRAME


Two frame models designed for

### XK & XJ GOLDFINDER

Gemini is the new technological frame that allows to couple two Goldfinder XKs and XJs (each model has its own dedicated frame). The coupled system offers a doubled thrust and enhanced redundancy.

This platform offers an incredible payload support for various professional equipment that can be attached to the SUEX standard rail.

This specific device is derived from offshore operations where is vastly appreciated for its unique features and durability.

The design is clearly superior to existing competitors in tems of built-in quality and performance.

**TARGET:** Advanced tech and professional divers.

# DISCOVER THE EXTENDED WARRANTY PROGRAM

5 FOR YOU
EXTENDED WARRANTY PROGRAM

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