



**CADDEN**  
La solution à vos mesures

# Rental Catalog 2025



GEOLOCATION • NAVIGATION • ACOUSTIC  
REMOTE SENSING • OCEANOGRAPHY

# Choose CADDEN

**25+**  
years of  
experience

## Our values

INNOVATION

KNOW-HOW

AGILITY

PASSION

TEAM SPIRIT

## Recognized expertise

CADDEN is a French supplier, integrator and manufacturer of precise positioning systems for geosciences and precision navigation systems.

Since its creation in Nantes in 1999, Cadden has established itself as the specialist in the French supply and manufacture of sensors and acquisition systems for **geosciences, navigation, remote sensing** and **hydrography**.

- ✓ 3 fields of application: OCEANS, ROBOTICS & **GEOD**
- ✓ Trust-based partnerships with our customers, suppliers and partners
- ✓ High-tech solutions at the cutting edge of innovation, used worldwide



### OCEANS

Technologies designed for applications in oceanography and marine geophysics to improve knowledge and control of marine and aquatic environments.

### ROBOTICS

Sensors and services focused on 3D positioning, orientation measurement and optical remote sensing technologies.

### GEOD

CADDEN's brand brings together solutions dedicated to hydrographic and marine navigation applications, where precision and reliability are the keys to success.



## Made in France

Developed by our own R&D and technical support teams, the **GEOD** range is designed, engineered and manufactured in France.

For this range, we give preference to local players, with the majority of our suppliers based in the Pays de la Loire region in France.

# Multiple applications

Hydrography, sedimentology, dredging, public works, renewable energies, offshore, port safety, water extraction, structure inspection, dredging, aeronautics, automotive, SLAM, GIS, BIM... and much more!



Magnetometry



Marine instrumentation



GeoRental & Navigation



Hydrography & bathymetry



Acoustic imaging



Sedimentology



Dredging



Renewable energies



Aeronautics



Mobile Mapping & autonomous vehicle



Security



Logistic



Credits : Stéphanie GASPARI



Credits : LAMIH UMR CNRS 8201



Credits : Laurent de Gebhardt - le studio 360

## Trustworthy partners

CADDEN distributes **over 30 professional brands** dedicated to oceanographic and robotic applications. A selection of the world's best manufacturers, a commitment to trust based on long-standing partnerships to guarantee **reliability and quality**.





# A team at your service

## ASSISTANCE

Our team will support you at **every stage of your project**. We will always propose the offer best suited to your applications, from the supply of sensors and solutions, to the installation of your equipment, or the training of your teams.

## ADVICE

Benefit from our technical support: before, during and after delivery of your equipment.

## FLEXIBILITY

Depending on your project, our experts will put their skills at your disposal to create a **tailor-made solution** combining several sensors and solutions.

## They are already convinced



© DGAC



© Grand Port Maritime de la Rochelle



© Ideol BYTP ECN V. Joncheray - BD

# Rental

Optimize profitability and ensure the success of your projects by choosing professional-quality equipment from a selection of **products available worldwide**. Our rental fleet includes a wide choice of sensors and complete acquisition systems for a wide range of applications. Our experts are at your disposal to help you choose the right equipment for your project.

- ✓ Time saving
- ✓ Cost savings
- ✓ State-of-the-art solutions

- ✓ Try before you buy
- ✓ One-off or recurring needs
- ✓ Space saving

## EXAMPLES OF SYSTEMS AVAILABLE FOR RENTAL

Non-exhaustive list



GNSS receivers



USV



Side-scan sonar



Inertial Navigation Units



Hydrographic echosounders



Electronic winch

## / They rented our systems



### A.I.R. – Atlantique Ingénierie Réseaux

After training with our technical support, the survey office rented the USV100 marine drone on several occasions to carry out bathymetry projects in France.

The data provided by the USV100 is then coupled with topographic data. The USV100 is used for hydrographic operations in places where access is sometimes difficult.



### Ocealis Consulting

Ocealis Consulting asked CADDEN to carry out bathymetric surveys of the canals on the Noirmoutier island using the USV200. In this complex environment, there are many constraints, and a compact on-board system is needed to cope with the shallow draught and sometimes narrow passages.

The USV200 meets these requirements, and the data obtained is then combined with the aerial drone data.

# GEOD<sup>®</sup> range

by CADDEN

08



Rod bathymetry

09



USV bathymetry



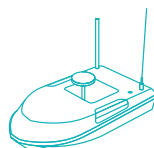
## A brand created by CADDEN

Having confirmed its expertise and leading position as a distributor, CADDEN decided to set up its own R&D department to design innovative precision geomatics products under its own brand name. The GEOD® range includes solutions dedicated to **hydrographic and marine navigation applications**. These solutions are used worldwide for missions where precision and reliability are the key to success



### BALI

Lightweight, self-contained bathymetry system combining an RTK GNSS receiver with a single-beam echo sounder.



### USV

Autonomous, compact and portable single-beam or multi-beam marine drones for hydrographic surveys.



Increased productivity



Cost saving



Accuracy



Security



Sustainable development



Made in France

- USV = Unmanned Surface Vehicle
- PPU = Portable Pilot Unit
- MEMS = micro-electromechanical system



# Rod bathymetry

## BALI

The BALI ("Bathymetry Light") bathymetric measurement system is a compact, self-contained kit that is easy to operate and fits onto a single rod.

Combining an RTK GNSS receiver with a bathymetric sounder, BALI processes and stores water depth measurements synchronized with a georeferenced position, even in difficult areas.

- ✓ Easy to set up by a single operator
- ✓ No hydrographic software required
- ✓ Real-time centimetric precision (RTK)



### ✓ SINGLE BEAM

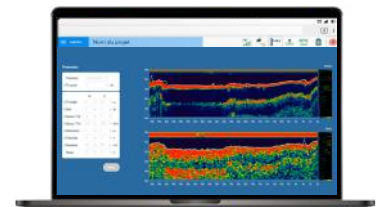
#### Modular GNSS antenna

BALI GNSS antenna, boom-mounted and integrated on a boat or marine drone.

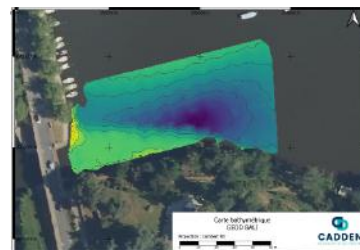


#### Integrated webserver

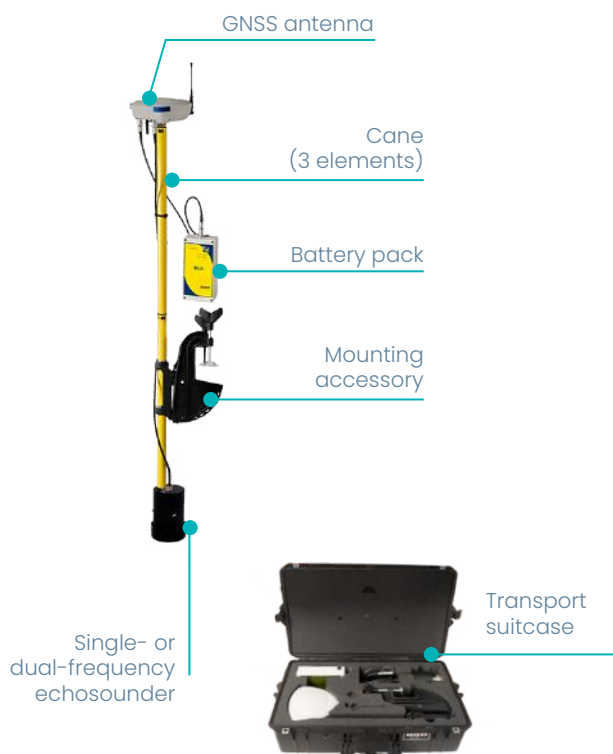
- ✓ Line tracking, background map integration, waypoint creation, etc.
- ✓ Wifi connection with smartphone, tablet or PC
- ✓ Remote maintenance and updates



Probe interpretation,  
echogram visualization



Example of a single-beam bathymetric survey



Height	1,75 m (assembled)
Weight	11 kg
Power supply	NiMH battery
Autonomy	Up to 10h
Echosounder type	30/200 kHz, 200 kHz, 200/450 kHz



# USV bathymetry

## USV100



Robust and lightweight, the USV100 marine drone is equipped with the BALI GNSS antenna and its integrated webserver, is easy to use (in manual or stand-alone mode) and requires no hydrographic software. Easy to set up by a single operator, the USV100 carries out hydrographic and bathymetric surveys with centimetric accuracy.

- ✓ Easy to transport in the trunk of a car
- ✓ Measurement at shallow depths from 15 cm draft
- ✓ Several sensor options (ADCP, side-scan sonar, etc.)

### ✓ SINGLE BEAM

#### Multiple application

Rivers, streams, lakes, drinking water bodies, pipelines, harbors, coasts, creeks, dams...



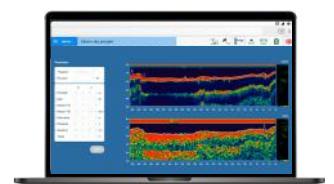
Easy to carry



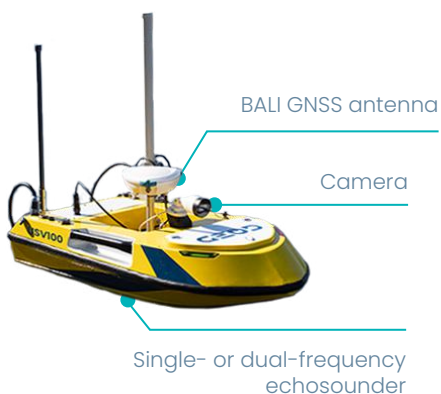
Compact

#### Integrated webserver

- ✓ Line tracking, background map integration, waypoint creation, etc.
- ✓ Wifi connection with smartphone, tablet or PC
- ✓ Remote maintenance and updates



Probe interpretation, echogram visualization



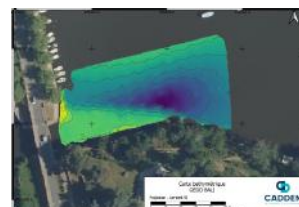
#### Standard equipment

- 1 USV100
- 1 rechargeable battery with charger
- 1 remote control
- 1 BALI (smart antenna + echo sounder)
- 1 PTZ camera
- Stand-alone navigation software
- 1 carrying case
- 1 communication kit

#### Options

Stand-alone BALI mounting kit, internal UHF modem (403–473 MHz), GSM modem, ADCP, side-scan sonar, additional batteries, etc.

Example of a single-beam bathymetric survey



<b>Dimensions</b>	105 x 55 x 38 cm
<b>Weight</b>	17 kg
<b>Autonomy</b>	8h to 10h
<b>Draft</b>	15 cm
<b>Speed</b>	5 m/s max.
<b>Positioning</b>	RTK (1 cm) – SBAS (0.5 m)

# USV bathymetry

## USV200

Equipped with a single-beam or multibeam echosounder, the USV200 marine drone is ideal for high-density hydrographic and bathymetric surveys to map the seabed.

With its integrated multibeam system in "flush" mode, the USV200 adapts to all types of water surface, including very shallow or remote areas.

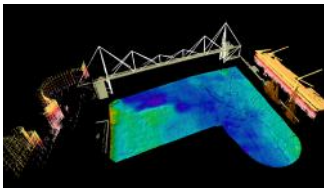


- ✓ **Easy launching with dedicated launching cart**
- ✓ **Measurement at shallow depths from 15 cm draft**
- ✓ **Several sensor options (multiparameter probe, Lidar, etc.)**

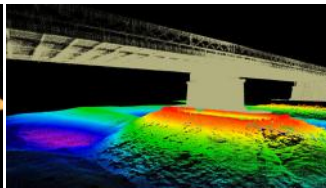
### ✓ SINGLE OR MULTIBEAM

#### Full mapping in a single pass

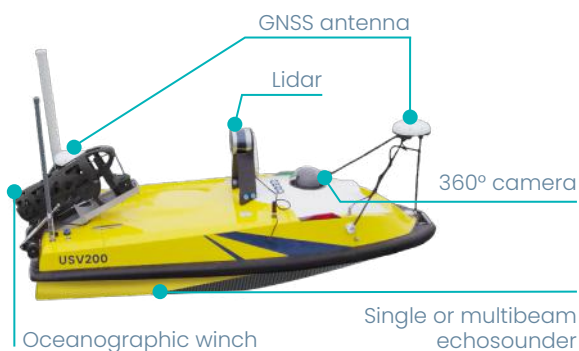
Underwater and overwater mapping using the USV200's integrated Lidar and multibeam bathymetric echosounder.



London, UK



Mauves-sur-Loire, France



#### Multiple applications

Rivers, lakes, drinking water bodies, harbors, coasts, inland seas, creeks, dams...



#### Bathymetry software

**QPS.**

Training provided by our manufacturer-approved technical support team.

#### Standard equipment

- 1 USV
- 2 rechargeable batteries with charger
- 1 remote control
- 1 inertial navigation unit
- 1 360° camera
- 1 anti-collision radar
- 1 stand-alone navigation software
- 1 communication kit
- 1 carrying case

#### Options

Single or multibeam echosounder with hull ceilometer, R2SONIC modes (UHR 700 KHz, Truepix), water column data, oceanographic winch, multiparameter probe, laser scanner, launching cart, additional batteries, etc.

<b>Dimensions</b>	160 x 70 x 40 cm
<b>Weight</b>	32 kg <sup>1</sup>
<b>Autonomy</b>	8h to 10h
<b>Draft</b>	15 cm
<b>Speed</b>	5 m/s max.
<b>Positioning</b>	RTK (1 cm) - SBAS (0,5 m)
<b>BALI antenna with webserver</b>	Single beam version only
<b>Sondeurs</b>	SINGLE : 30/200 kHz, 200 kHz, 200/450 kHz. MULTI : R2Sonic Sonic-V series, Sonic-V+ series, etc.

# Our sensors & solutions



GNSS receivers



Inertial Navigation Systems



Lidars



Hydrographic echosounders



Marine acoustics



Marine instrumentation



ROV



Software

## GNSS receivers

Our GNSS receivers incorporate the latest innovations for precision geolocation in all circumstances. The use of multi-constellation GNSS signals guarantees sub-meter to centimeter accuracy surveys in real time in the most challenging environments, such as vegetation cover and urban canyons.

### / GNSS receivers



	BX992
<b>GNSS</b>	Multi-frequency
<b>RTK Accuracy</b>	< 8mm + 1ppm
<b>Webserver</b>	Yes
<b>True Heading</b>	Yes
<b>Internal inertial system</b>	Yes



	AtlasLink
<b>SBAS Accuracy</b>	0,6 m
<b>ATLAS Accuracy</b>	8 cm
<b>RTK Accuracy</b>	1,5 cm
<b>True Heading</b>	-
<b>Rate</b>	Up to 20 Hz



	SP85	SP90m
<b>GNSS</b>	Multi-frequency	
<b>Accuracy</b>	8 mm + 1 ppm	
<b>Internal GNSS</b>	Yes	
<b>Internal UHF</b>	Yes	



## / Field notebook



	Ranger 5
Screen dimensions	12,7 cm
Communication	Bluetooth, Wi-Fi, GNSS and WWAN, Verizon and AT&T certified

## / UHF radio



	ADL Vantage
Frequencies	390-430, 430-470 MHz

## / Robotic total laser station



	SPS930
Frequency	20 Hz
Update frequency	Up to 20 Hz
Range	50 to 300 m
Accuracy	0,003 to 0,004 m
Remote control	Yes

## / GNSS correction service



**GSM Ntrip**  
Precise geolocation compatible with RTK GNSS receivers.

# Inertial Navigation Systems

Our range of inertial and attitude computers incorporates gyrometric and accelerometric sensors designed to provide precise, real-time orientation measurements (from 1° to 0.01°) that are stable over time. Inertial systems can be adapted to any type of environment, whatever the complexity and dynamics of the project (shuttle, marine drone (USV), ship, underwater drone (ROV), etc.).



	Ellipse serie	Ekinox serie	Navsight
Roll/Pitch	0,1°	0,03° to 0,015°	0,015°
Heading	0,8° (Magnetic heading)	0,5° (GNSS compass heading)	0,02°
Heave	5 cm or 5%		
GNSS RTK position maintenance	Only -D version	Yes	-
Rate	Up to 200 Hz		-
Subsea version	No		Yes



	Lodestar	Sprint	Sprint-Nav	Sprint-Nav Mini
Roll/Pitch	0,01°			0,02°
Heading	0.2°	0,05° / 0,04° / 0,02°	0,05° / 0,04° / 0,02° / 0,01°	0,5°
Rate	Up to 100 Hz		-	Up to 200 Hz
System integration	ROV, offshore	AUV, ROV, side-scan sonar	USV, ROV, AUV	USV, ROV, AUV, side-scan sonar
Integrated DVL	No		Yes	



	Phins
Roll/Pitch	0.01°
Heading	0.01°
Heave	5 cm or 5%
Rate	Up to 200 Hz
Application	Surface, subsea



Série MTi-1	Série MTi-100	Série MTi-600
IMU = Raw data from accelerometers, gyroscopes and magnetometers		
MTi-1	MTi-100	MTi-610/MTi-610R
VRU = IMU + Roll and Pitch via the internal Kalman filter		
MTi-2	MTi-200	MTi-620/MTi-620R
AHRS = VRU + Magnetic heading via the internal Kalman filter		
MTi-3	MTi-300	MTi-630/MTi-630R
INS/GNSS = AHRS + position and velocity		
MTi-7	MTi-G-710	MTi-670/MTi-670G
INS/GNSS = AHRS + position and GNSS velocity		
-	-	MTi-680G



	IMU-108
<b>Roll/Pitch</b>	0.03° RMS
<b>Heave</b>	5 cm or 5%



	Bluenaute Premium
<b>Roll/Pitch</b>	0,01°
<b>Heading</b>	0,2°
<b>Heave</b>	5 cm
<b>Rate</b>	-
<b>Application</b>	Maritime vessel

## Lidars

Lidar laser sensors with TOF (Time-Of-Flight) technology perform very precise distance and light intensity measurements to render georeferenced 3D point clouds, statically and dynamically, under all weather conditions. Lidars are used in many fields: autonomous vehicles, agricultural robots, 3D mapping (mobile mapping), etc.



	XT32	QT64
<b>Range</b>	0,1 m to 120 m	0,1 m to 30 m
<b>Vertical aperture</b>	31°	104,2°
<b>Accuracy</b>	+/- 1 cm	+/- 2cm

### Velodyne LiDAR



	VLP 16
<b>Range</b>	100 m
<b>Aperture</b>	30°
<b>Measurement rate</b>	5 Hz – 20 Hz
<b>Accuracy</b>	3 cm

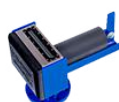
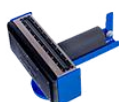


# Hydrographic echosounders

Our echosounders meet a wide range of needs and cover numerous underwater applications: bathymetric or geophysical surveys, measurement of sedimentary strata, metal anomaly detection and object identification, seabed classification, fauna and flora assessment, and more.

## / Bathymetric echosounders

### Multibeam echosounders



	Sonic 2024-V	Sonic 2022-V	Sonic 2020-V
Selectable frequencies	170 kHz – 450 kHz		200 kHz – 450 kHz
Option 700 kHz	Yes		
Option 90 kHz – 100 kHz	No		
Resolution	0,3° x 0,6° at 700 kHz	0,6° x 0,6° at 700 kHz	1° x 1° at 700 kHz
Aperture	Up to 160°		
Sounding range	400 m +		
Technical mode	Ultra High Density (UHD) TruePix compressed water column™ Ultra High Resolution (UHR) 700 kHz Multispectral backscattering		
System integration	USV, ROV, AUV, survey vessel		

### Single-beam echosounders



	30/200 kHz	200/400 kHz
Frequencies	30/200 kHz	200/400 kHz
Weight	740 g	300 g
Range	0,5/200 m	0,15/200 m
Resolution	1 mm	



	Sounder 1612
Frequencies	24 to 210 kHz
Weight	9 kg
Range	2000 m+
Resolution	1 cm



	Echoscope
Frequencies	340 – 700 kHz
Weight	23,6 kg
Range	600 m
Resolution	3 cm

## / Scientific echosounders



	DT-X
<b>Frequencies</b>	38, 70, 120, 200, 420 & 1000 kHz
<b>Range</b>	0,5 to 2000 m
<b>Weight</b>	12 kg
<b>Carrier</b>	Fixed station, boat, AUV, USV, buoys
<b>Application</b>	Marine habitats, biomass, species distribution, bottom classification, bathymetry

## / Sub-Bottom Profilers



	Echoes 3500	Echoes 10000
<b>Selectable frequencies</b>	1,7 – 6 kHz	5 – 15 kHz
<b>Penetration</b>	20 m (sand), 150 m (clay)	40 m (clay)
<b>Beam size</b>	45°	30°
<b>Vertical Resolution</b>	20 cm	8 cm
<b>Depth</b>	1 to 200 m	1 to 150 m
<b>Weight (air)</b>	58 kg	26 kg



	Pinger
<b>Selectable frequencies</b>	3,5 – 200 kHz
<b>Penetration</b>	NC
<b>Beam size</b>	30° – 9°
<b>Vertical Resolution</b>	10 cm – 2 cm
<b>Depth</b>	2 to 400 m
<b>Weight (air)</b>	21 – 29 kg

# Marine acoustics

We provide you with cutting-edge technologies for precise underwater positioning, current analysis, inertial navigation and detailed seabed imaging. These solutions meet the needs of the most demanding offshore and river environments.

## / USBL



	Micro-Ranger 2	Mini-Ranger 2	Ranger 2
Precision with internal inertial unit	~5% of range	~1,3% of range	~0,04% of range
Precision with external inertial unit	-	1,3%	-
Max. range	995 m	4000 m	>11 000 m
Target number	10 per sequence	10 simultaneous	>99
Transpondeur	Nano, WSM6+, RT-6		

	Gyro USBL
Range max.	Up to 7000 m
Roll/Pitch	0,01°
Heave	5 cm or 5%
Operating	Ranger 2 USBL and Marksman LUSBL

## / Transponders



	RT 6-1000	RT 6-3000	RT 6-6000
Depth	1000 m	3000 m	6000 m
Frequencies	20 – 34 kHz		14 – 19 kHz
Workload limit	150 kg	1275 kg	
Battery life	>13 month	>32 month in activity	
Inclinometer accuracy	±5°		
Surface unit	Option : Shallow Water Deck Kit (Deck Topside)	Deck Topside, Ranger 2 USBL	

## / USBL beacons



	WSM 6+	Nano	AVTrak 6	DPT 6
Depth	1000 - 4000 m	500 m	500 - 3000 m	3000 - 7000 m
Frequencies	20 - 34 kHz			
System integration	ROV	ROV, AUV, cable, diver	AUV, cable	-

## / ADCP



	Origin 65	Origin 600
Depth measures speed	12 to 800+ m	0,6 to 50+ m
Depth measures water height	4500 m	150 m
Accuracy	$\pm 1^\circ / 0,1^\circ$	
Weight (air)	230 kg	19,2 kg

## / Mini scanning sonar



	MRS900
Frequencies	900 kHz
Weight (air)	580 g
Range	60 m
Resolution	7,5 mm

## / Side-scan sonar



	Klein 3000	Klein MA-X View 600
Frequencies	100/500 kHz	600/850 kHz
Weight (air)	29 kg	25 kg
Max. depth	600 m	300 m
Application	Archeology, UXO, SAR	Archeology, UXO



	Starfish 450H
Frequencies	450 kHz
Weight (air)	700 g
Max. depth	100 m
Application	Sub-marine surveys

## / Doppler Velocity Log (DVL)



	Sprint-Nav	Sprint-Nav Mini	Syrinx
Roll/Pitch	0,01°	0,02°	$\pm 0,5^\circ$
Heading	0,05° / 0,04° / 0,02° / 0,01°	0,5°	-
Depth	4000 / 6000 m		
System integration	USV, ROV, AUV	USV, ROV, AUV, side-scan sonar	With Sprint INS on ROV, AUV, ship



	NavQuest Micro DVL 600
Frequencies	600 kHz
Range	800 m
Resolution	$\pm 1 \text{ mm/s}$ or 1%
Weight (air)	2,9 kg



# Marine instrumentation

The marine instrumentation range includes acoustic measurement solutions and equipment for deployment in oceanographic and hydrographic applications. Each measurement instrument is compatible with a variety of deployment systems: instrumented buoy, submerged structure or electric winch.

## / Multiparameters probes



	Mini SVS	Mini SVP
<b>Features</b>	Profiler	
<b>GNSS</b>	Yes	
<b>Depth</b>	500/6000 m	
<b>Measures</b>	SV, P, T	
<b>Weight</b>	1,4/2,4 kg	4/5 kg
<b>Interface</b>	USB/Wifi	



	AML-3	BaseX
<b>Features</b>	Profiler	
<b>GNSS</b>	No	
<b>Depth</b>	500/6000 m	100 m
<b>Measures</b>	SV, CT, P, Tur, Ph, Chl, Fluo, O <sub>2</sub> ...	
<b>Weight</b>	1,6 kg	1,2 kg
<b>Interface</b>	RT, Logger, Dual Capability	-



	CTD 48M
<b>Features</b>	Profiler
<b>GNSS</b>	No
<b>Depth</b>	6000 m
<b>Measures</b>	Salinity, Sound velocity, Kappa 25 mS/cm, sigma
<b>Weight</b>	1,5 kg

## / Magnetometers



	Seaspy	Seaspy 2
<b>Absolute precision</b>	0,1 nT	
<b>Sensibility</b>	0,01 nT	
<b>Resolution</b>	0,001 nT	
<b>Survey range</b>	18000 to 120000 nT	
<b>Weight (air)</b>	12 kg	

## / Electric winch & accessories



	CSW-7
<b>Carriers</b>	Ship
<b>Sensors type</b>	Side-scan sonar, Magnetometers, ROV
<b>Engine</b>	1 to 3HP
<b>Power supply</b>	12 to 48 VCD, 110 to 220 VAC

T-count



	Poulie compteuse
<b>Dimensions</b>	Ø 35,56cm
<b>Sensors type</b>	Side-scan sonar, ROV, CTD, sub-bottom profilers

# ROV

Equipped with sensors, remotely piloted underwater drones operate at depths of up to 300 meters in a variety of complex contexts: scientific research, surveillance, inspection, etc.

## / ROV

MARINE NAV



	Oceanus Pro
Dimensions	60,5 x 41,8 x 27,9 cm
Weight	17,91 Kg
Max. speed	6 knots
Engine	6 thrusters
Depth	305 - 400 m
Optical fiber option	Yes
Auxiliary ports	3 : Ethernet / Manipulator / 12V / 24 VDC
Power supply	Umbilical

## / ROV accessories

MARINE NAV



	Manipulator
Dimensions	36,8 x 4,8 mm
Arm aperture	90°
Grip force (tip)	100N
Grip force (middle)	125N
Depth	300m



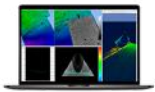
	Orphie camera
Resolution	1080p / 20 to 60 fps
Depth	300 m (1000 m in option)
Dimensions	L 220 mm, Ø 90 mm
Weight (air)	2,3 kg
Material	Anodized aluminum

## Software

The software we offer is compatible with our sensors and solutions, both for sale and rental. Training is provided by our manufacturer-approved technical support team.

### / Bathymetry and navigation

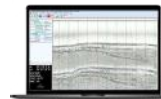
**QPS.**



**Qinsy, Qimera (bathymetry) and Qastor (navigation)**  
Survey planning, real-time acquisition and data processing.

### / Sonar post-processing

**exail**



**DELPH**  
2D and 3D data acquisition for processing and analysis.

### / GNSS post-processing

**SPECTRA**  
GEO SPATIAL



**SPSO**  
Data editing, processing, adjustment and creation.

### / Inertial post-processing

 **SBG SYSTEMS**

 **Sonardyne**



**Qinertia / Janus**  
Improves trajectory and data analysis of inertial headers.



# Our services



## Demonstration

Would you like to discover the features and benefits of our solutions in real-life situations? Our sales and technical teams will come to you to organize a personalized demonstration.



## Integration & Installation

Benefit from our expertise in combining several sensors and systems (inertial motion sensor, GNSS receiver, bathymetric sounder, Lidar, prism, marine camera, side scan sonar, oceanographic probe, etc.) to offer you a unique solution tailored to your needs. Our technical teams will come to your site to carry out the integration and installation.

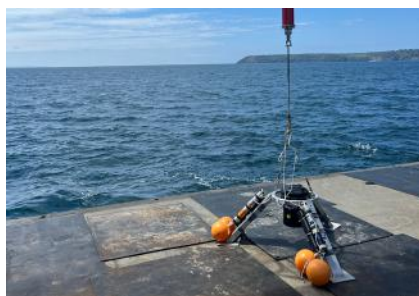
### EXAMPLES OF ACHIEVEMENTS

#### Lidar installation on an autonomous shuttle



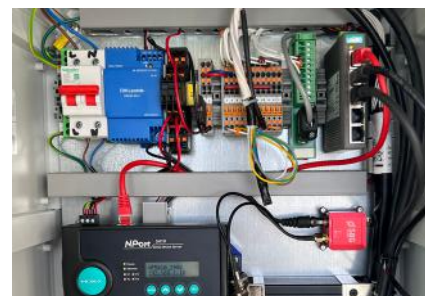
Navette autonome à Nantes

#### Installation of ADCP, USBL and transponders on a dynamic cable



France Energies Marines et Eolink

#### Installation of an inertial unit on a barge in a quarry



COLAS

# Training

Thanks to a close partnership with all our suppliers, CADDEN can offer you a **wide range of training courses** on a wide variety of topics and applications. Developed by specialists in the field, our training modules are designed for professionals whose aim is to improve the skills of their teams: **from the basics to the most advanced techniques**.



BEGINNER TO EXPERT LEVEL



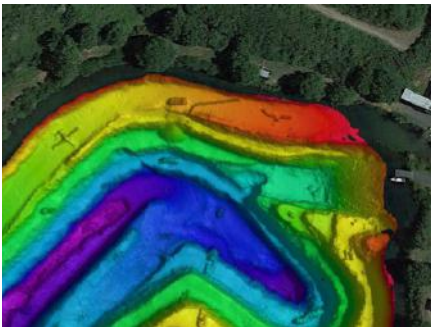
SKILLS ENHANCEMENT



FACE-TO-FACE OR REMOTE

## Training tailored to your applications

Our trainers have **advanced knowledge** of all our solutions, and will provide you with solutions tailored to your applications. Examples of training courses: understanding GNSS, getting to grips with a marine drone, carrying out a bathymetric survey (single-beam/multi-beam), training in bathymetry software, etc. Contact our sales team to define the training program best suited to your needs.



## Experienced trainers and industry specialists

All our trainers are **experts** with a solid scientific and technical background. They are keen to share their technical expertise and experience. Our three experts are approved by our manufacturers to train you on our **GEOD®**, **OCEANS** and **ROBOTICS** solutions.



**Dominique CHASSAGNE**  
Technical Director

- Graduate of Intechmer
- Technical Director since 1999
- CADDEN Partner



**Sylvain ANTOINE**  
Support Engineer

- Graduate of ENSTA Bretagne
- Support Engineer & Trainer since 2012



**Solana VIEL**  
Support Engineer

- Graduate of ENSTA Bretagne
- Support Engineer & Trainer since 2023





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