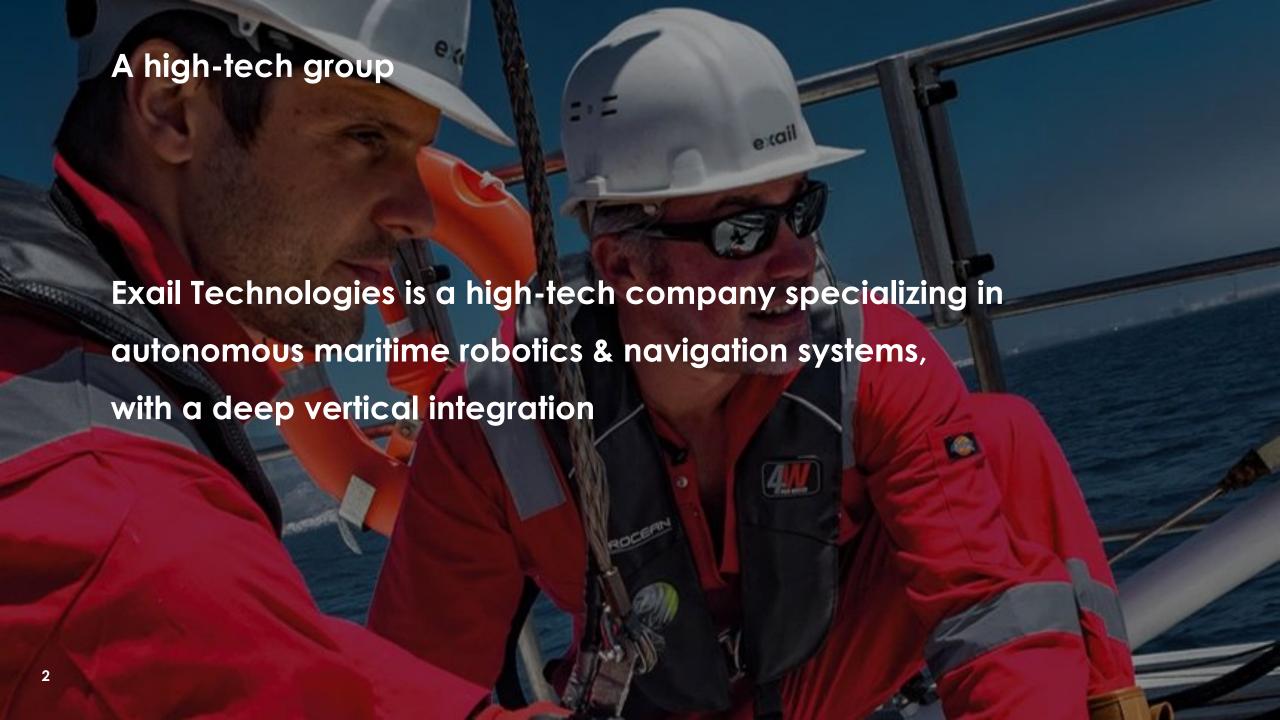




# CORPORATE PRESENTATION



#### Summary

- . INTRODUCTION
- II. HIGH-TECH ACTIVITIES | A LEADER IN NAVIGATION & ROBOTICS
- III. LARGE MARKETS | €8 BN ADRESSABLE IN CIVIL & DEFENSE
- IV. INTENSE ACTIVITY 2025 | +520% OF ORDERS IN Q1 2025
- V. OUTLOOK | MANY LEVERS TO GROW
- VI. APPENDIX ON ROBOTICS & NAVIGATION



# INTRODUCTION Drix Surface drone & A-18 underwater drone collaborating on a survey mission

#### **Key trends**

A very strong commercial activity

Winning new robotics programs

Strong sales in Navigation systems

2 Strong operating & financial results

Strong growth on all KPIs

3 Improving cash-flows & significant deleveraging

Net debt / current EBITDA ratio (excl. ICG) below 2x at end-2024



#### **Key figures**

Revenues 2024

373 M€

+16% vs 2023 Current EBITDA 2024

74 M€

20% margin

**Backlog** 

1.1 Bn€

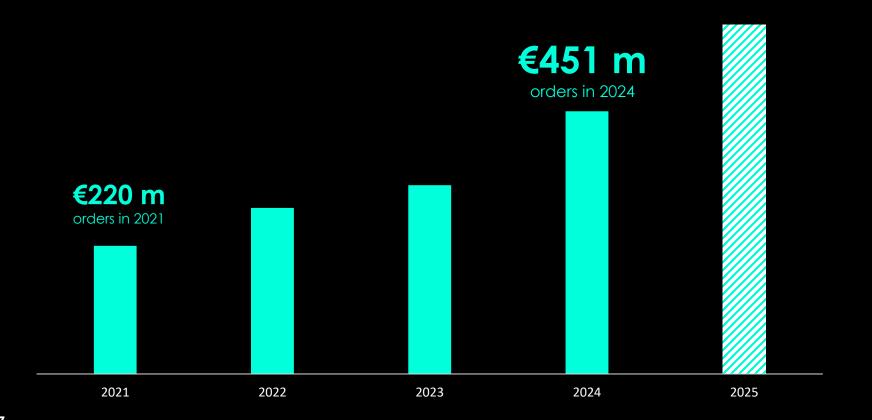
~3 years

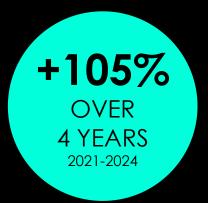


#### Commercial activity gaining momentum

#### Evolution of order intake over 5 years

Since acquisition of iXblue (signed early 2022)

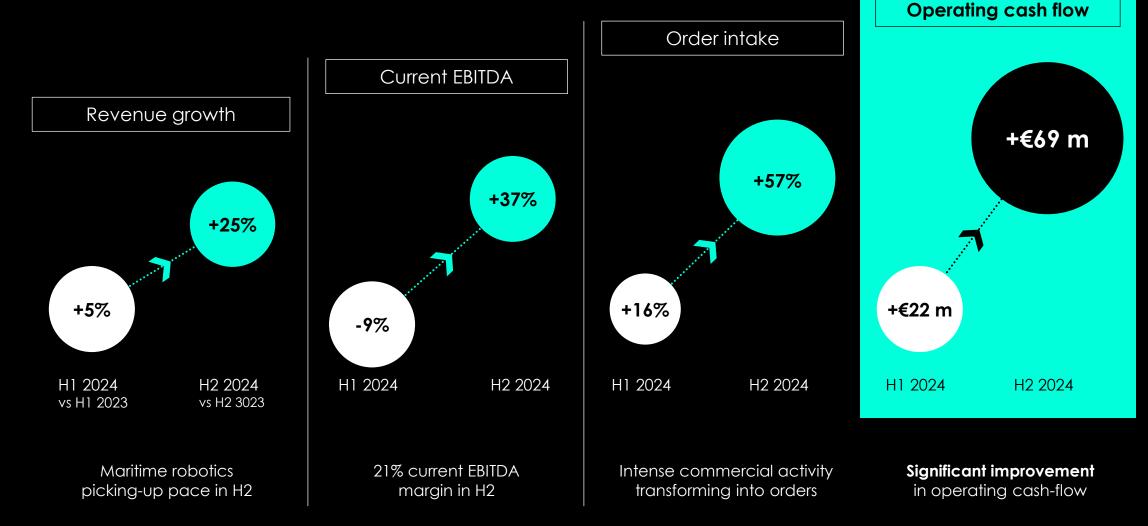








#### A strong second semester 2024





# • HIGH-TECH ACTIVITES





#### A leader in Navigation and Maritime robotics

# Exail provides complex systems for critical missions

Autonomous drone systems



#### Main applications:

- Underwater mine-clearance
- > Hydrography / Seabed mapping





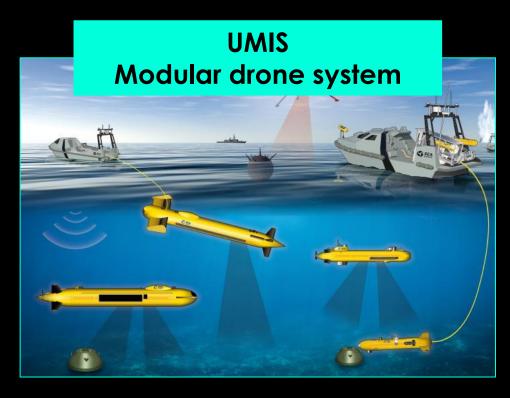
#### Main applications:

- **>** Naval defense & civil maritime operations
- **>** Land defense vehilcules and satellite positionning



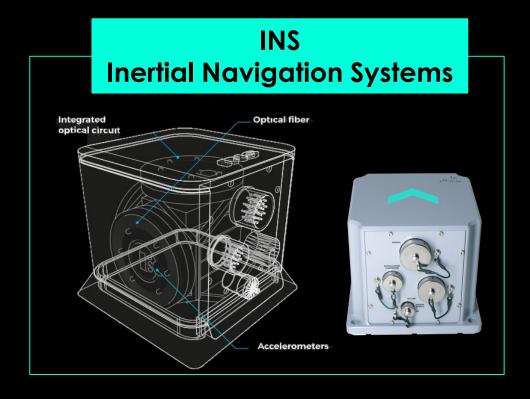


#### Flagship solutions driving most of the sales



Combination of underwater, surface, aerial drones integrating different possible sensors (navigation systems, sonars, acoustic communication, etc.)

Can be deployed from a ship or from the shore



High-performance technology based of **fiber-optic gyroscope** and quartz accelerometers

Wide range of INS products based on the same technology to adress different applications



#### Two segments vertically integrated and growing



Navigation & Maritime robotics: strong dynamic 364 M€ of orders in 2024 / +49% vs 2023

**Numerous orders for Maritime robotics systems,** with both new and existing clients

Navigation momentum continues **boosted by Land defense &civil applications** 



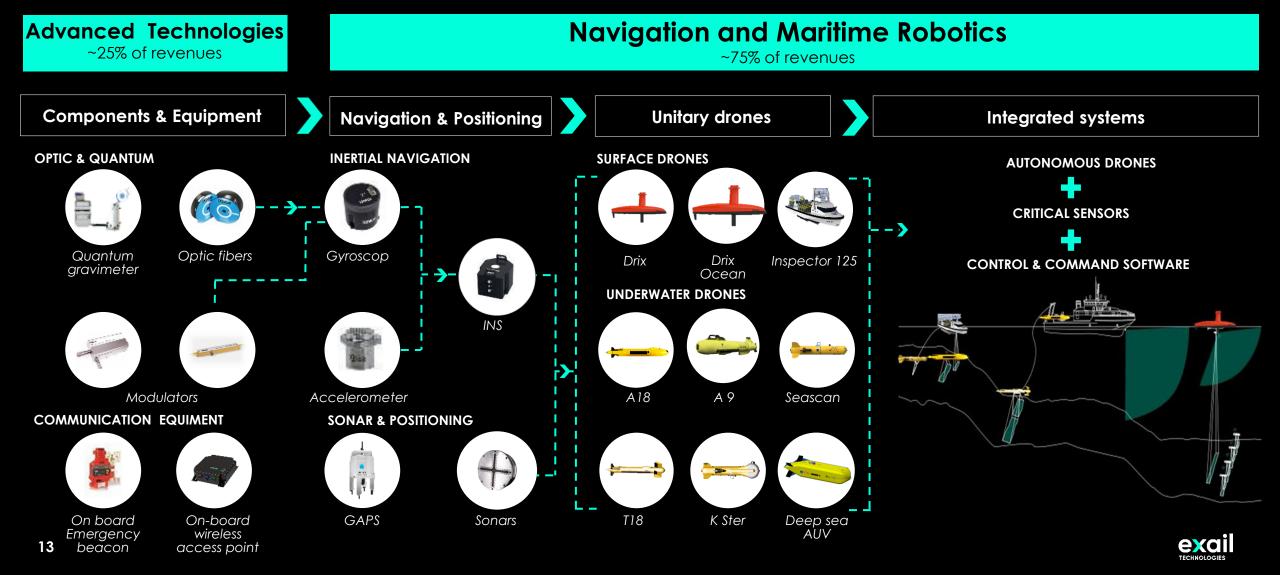
Advanced technologies: 87 M€ of orders / +10% vs 2023

**Growing demand for high-end laser sources**, especially for space applications and telecommunications

Activity has also increased **towards internal demand for photonics components** 



#### A deep vertical integration, generating revenues at each step of the chain





#### Large markets in defense & civil





Civil ~€4.5 bn

Adressable market per year





Satellite positioning & communication



Laser & quantum industries



Adressable market per year



survey







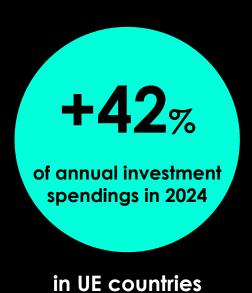
surface ships & submarines

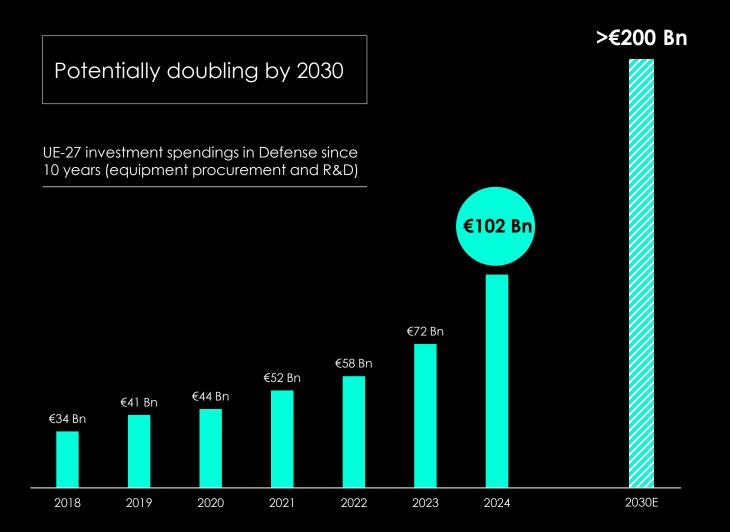


Land forces positioning

#### Defense spending are increasing strongly in Europe

Defense investments are growing fast







#### Four tailwinds for Exail in the European Defence Strategy 2030



## Drones among the 7 priority defense domains

" Drones are an indispensable capability »



#### **European preference**

"By 2030, at least 50% of Member States defense procurement budget should be devoted to procurement from European suppliers"



#### More support for Mid-caps & SMEs

"EU-level instruments should prioritize and massively increase support for SMEs"



#### More support for R&D and innovation

"In the context of substantially increased defense expenditure, a higher share needs to be invested in defense research and development and technology"



# Opening many opportunities for Exail



#### Autonomous drones are taking a bigger share of defense spendings

The example in mine-hunting

### Previous generation of systems

Heavily equipped ships with remotely operated drone

Value of the drones

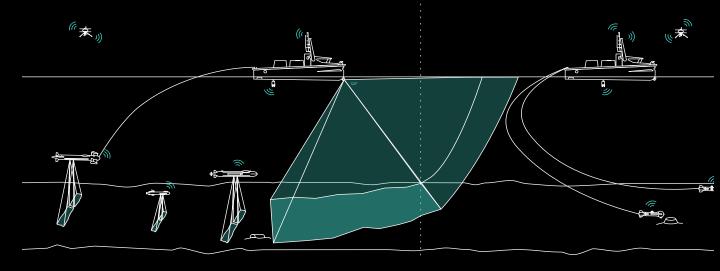
in the programs





#### New generation of drone systems

Collaborative systems of drones deployed from a ship or from the shore



Value of the drones in the programs

25% to 100%



#### Civil markets supported by strategic trends

#### More maritime offshore operations



**KEY TRENDS & DRIVERS** 

**Doubling new offshore windfarms** in the world by 2026/27

**More drones used in operations** to save time and costs

#### More drones for hydrographic survey missions



**KEY TRENDS & DRIVERS** 

>400 hydrographic vessels worldwide to be equipped with drones

~80% of oceans seabed have not been mapped

Drones emit 100x less CO2 and costs 100x less that survey ships

#### Ramping-up of New Space industry



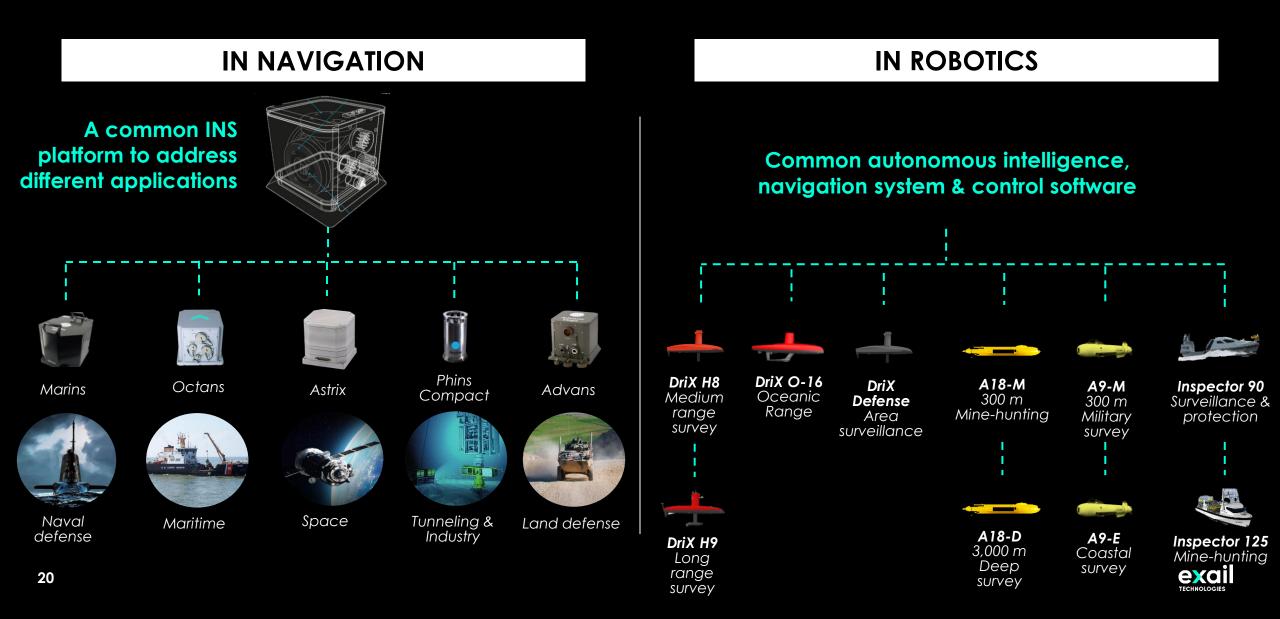
KEY STRENGTHS & DRIVERS

~2,800 satellites launched in 2024 (+23%)

Fast-growing satellite communication market



#### Scalable products to address these large markets





#### New flagship contract for systems of drones won early 2025

exail

#### A SEVERAL HUNDRED MILLIONS OF EUROS CONTRACT

- Exail was selected by the client after an international tender lanched several years ago
- SYSTEMS TO BE DELIVERED OVER 4 YEARS

Contract should start around mid-2025

CLIENT IS A FIRST-CLASS NAVY

Link to the video of the UMIS System

Backlog will exceed

>€1 Bn

WITH THE RAMP-UP OF THIS NEW VERY LARGE PROGRAM, EXAIL WILL BE ABLE TO REACH

25% current EBITDA MARGIN



#### €487 million of orders in Q1 2025



Navigation & Maritime robotics: strong dynamic 460 M€ of orders / +602% vs Q1 2024

Mega-contract of several hundreds of million

**Numerous orders for Maritime robotics systems,** with both new and existing clients

Navigation momentum continues **boosted by Land defense &civil applications** 



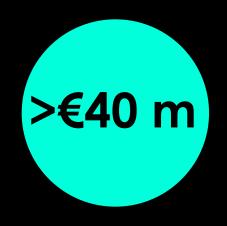
Advanced technologies: 27 M€ of orders / +109% vs Q1 2024

**Growing demand for high-end laser sources**, especially for space applications and telecommunications

**Defense applications** also driving sales



#### Navigation orders remain very strong on all applications



Order intake in Q1 2025







#### More wins in maritime robotics



The largest drone in Exail's range

Capacity to replace manned hydrography vessels

**Civil client** in Europe will use it for **hydrography application** 



Several Mine Identification & Destruction Systems (MIDS)

**An existing client:** Exail sold navigation, positioning and sonars to this client in 2024

Marking the shift to industrial & series production





#### Exail well positioned to win the future mine-hunting programs



The leader in mine-hunting in the world

Exail is the only player with the full range of drones to adress mine-hunting missions



A strong track record in tenders



~90% of tenders won since 2019





The most competitive offer

Exail solution was **ranked #1** in terms of performance and #1 in price by clients



#### Exail Technologies: a unique positioning to address new markets

#### STRONG DRONE SYSTEMS OFFER



#### **SURFACE DRONES**







Drix O-16

Inspector 90



Inspector 125

#### UNDERWATER DRONES



#### STRONG INSTRUMENTS OFFER



#### **INERTIAL NAVIGATION**







**IMUs** 



Data Distrib. Units



DVL

#### **SONARS & ACOUSTIC POSTITIONING**







SAMS Sonars



GAPS



Sub-bottom profilers



#### Medium-term opportunities: fleets of drones for Maritime Domain Awareness (MDA)

Monitoring, survey and protection of sensitive maritime areas



Using the advantages of fleets of drones to acquire data & detect threats

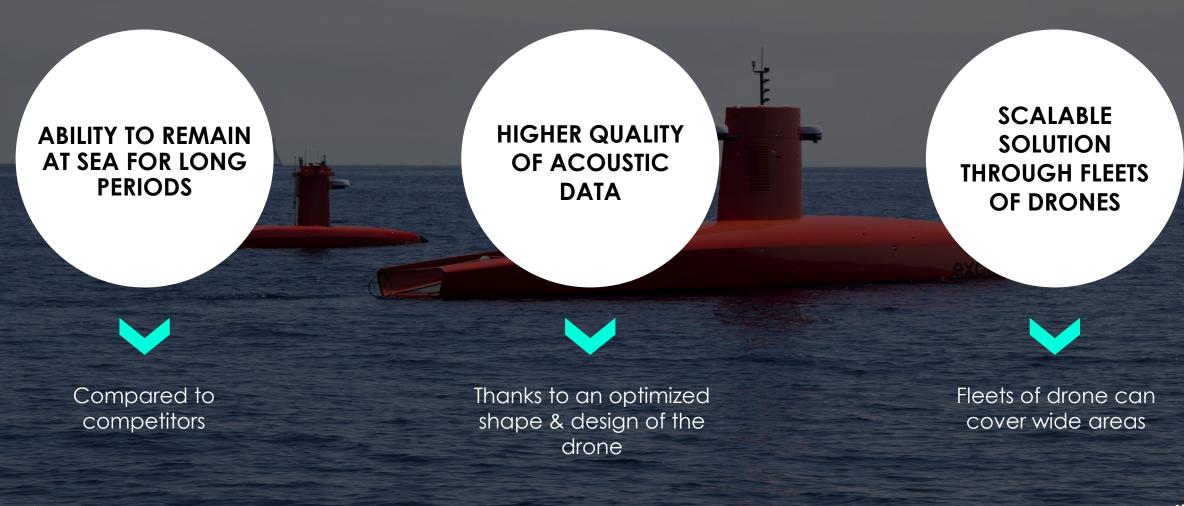
Surface drones like DriX, operated from the shore, cost effective to replace ships

- Exail, operating in mine-hunting, survey and sensors is particularly suited to address MDA
- Several navies are maturing the concept with sea trials & exercises, with the participation of Exail
  - France: Dragoon Fury exercise in March 2025
  - US Navy: Task force 59 in the middle-east
  - NATO: REPMUS exercise Portugal



#### Medium-term opportunities: supplying drones for MDA

Surveying seabed & water column with sensors embarked or towed on surface drones like DriX O-16



#### Medium-term opportunities: monitoring critical underwater infrastructure

Monitoring communication cables, energy pipelines, etc.

UNDERWATER DRONES

from 300 m to 6 000 m depths

Based on existing drones used for mine-hunting

WIDE RANGE OF SENSORS

for different type of missions In-house sensors of third-parties sensors integrated on our platforms



#### More to do on land defense for Navigation systems

>20,000
land vehicules in European forces

& growing

A flagship success in Europe in 2024, followed by numerous commercial wins

A growing market with more vehicles equipped with INS & more on-board sensors needing stabilization / precision

**Gaining market share** with the quality of FOG technology & competitive price

Land Defense could be an important growth relay for the next years



#### **Objectives 2025**



Supported by strong order intake in 2024 & supportive markets

CURRENT EBITDA:
INCREASING
FASTER THAN
REVENUE

Continuing to increase profitability

ORDER INTAKE:
DYNAMISM
CONTINUES

Both in Defense & Civil markets



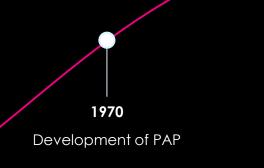


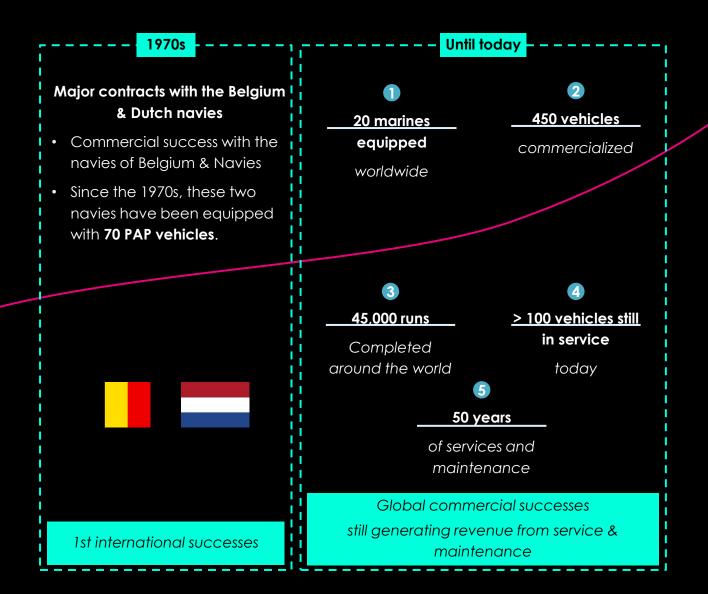


# Exail has been the reference for drones in mine-hunting for 50 years



- First remotely operated drone to identify and neutralize a mine
- Conceived in partnership with French armament agency (DGA)







#### Belgium & Dutch navies program (BENL): a flagship contract

2019

Exail wins the international tender in partnership with Naval Group

12 ships to equip with complete systems totalling ~100 drones

To be delivered between 2023 and 2027

#### **Highlights**

**12** 

Mine-hunting vessels

>€500m

Revenues signed to date

10-year

Program lenght

2024

First vessel delivery



#### Flagship Contract

Belgium is the reference navy on mine-hunting for NATO

BENL set the standards for the 3<sup>rd</sup> generation of mine-hunting systems with autonomous drones, led by Exail



#### Other navies are renewing their fleets

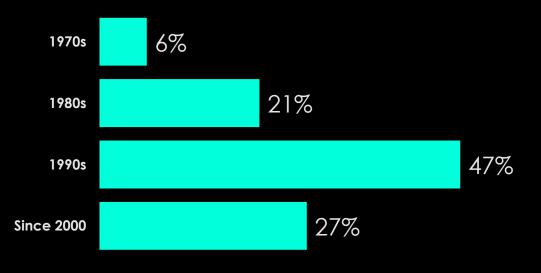
Obsolescence of existing fleets coming fast

# More than 300 mine-hunting ships in service in ECA's markets<sup>1</sup>



#### Most of this vessels are ageing

Distribution of the mine-hunting fleet by decade of commissioning in Europe, Asia Pacific and Middle East/North Africa



>70%

of ships with >20 years of service



#### 35 vessels aged 35 and more

Tripartite class was produced for Navies from France, Belgium, the Netherlands, Bulgaria, Latvia, Indonesia and Pakistan.



#### Drone systems generates recurring revenues over decades



#### Large initial order

Usually comprising the initial capacity with the main drone(s) & Command & Control software

#### Additional services & price increases

New functionalities, Launch & recovery systems, etc.

#### Maintenance

& spares

Long-term support over decades Management of obsolesence Software support

#### Consumables

K-STER drones
Fiber optic cables
Etc.

#### **Training**

Training of operators
Simulation tools

#### **Upgrades**

Better sonars, batteries, etc. New versions of the Software

#### Complementary capacity

More drones to increase operational capacities



#### Ongoing programs have already grown...

Initial order

Total size of the program to date



**Belgium & Dutch** program

~450 M€ in 2019



~570 M€



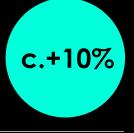


**Latvia navy** program

~20 M€



~23 M€





**PAP systems** 

450 systems sold between 1970 & 2000



~5 M€
orders in H1 2024

After-sales still ongoing after many decades

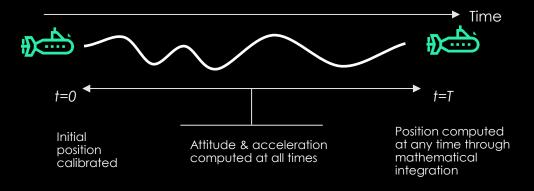




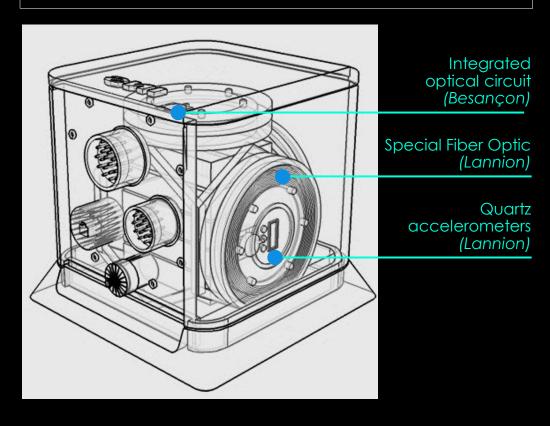
# Inertial Navigation Systems (INS): a critical sensor for Defense & Civil applications

KNOWING THE POSITION OF ANY VEHICULE WITHOUT GPS, RELIABLY AND PRECISELY

Inertial navigation (INS) uses sensors to derive a position based on a calibrated starting point and evolutions measured over elapsed time

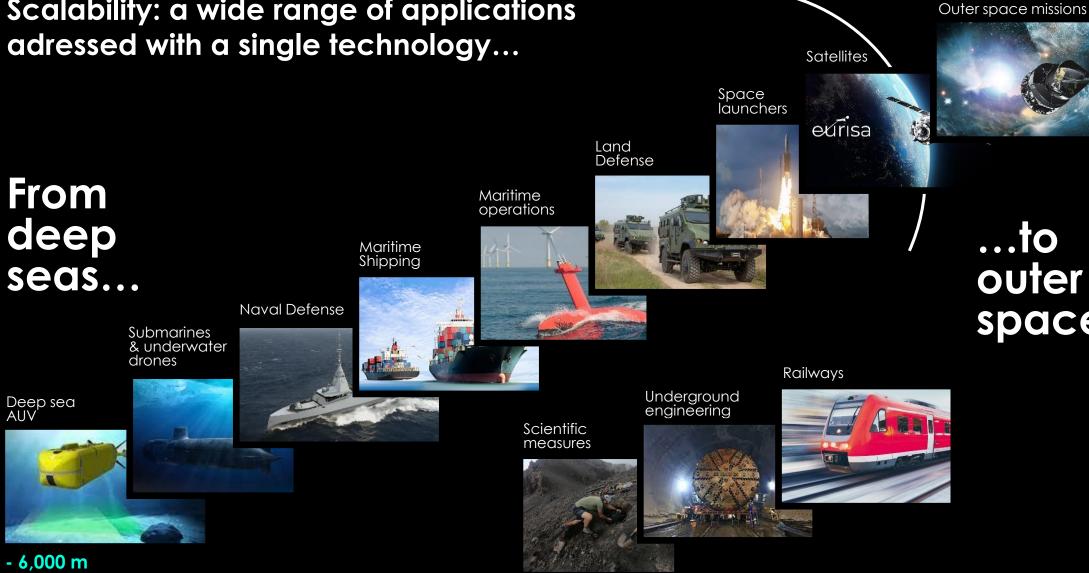


#### A COMPLEX EQUIPEMENT RELYING ON DECADES OF ADVANCED R&D





# Scalability: a wide range of applications





+ 1 500 000 km

...to

outer

space

#### Several growth drivers for Exail on Navigation activity

Global Market

Opportunities for Exail

Key strengths



both

**Defense & Civil** 

Strong & growing **Naval**defense & Civil maritime market

World leader with best performing inertial navigation systems



**Gaining market share** on established applications where Exail's presence is limited

Attractive price/performance positioning on land Defense and civil engineering



New applications for INS with large potential: new space, railway, aerial drones

R&D and new products improving efficiency of client's operations



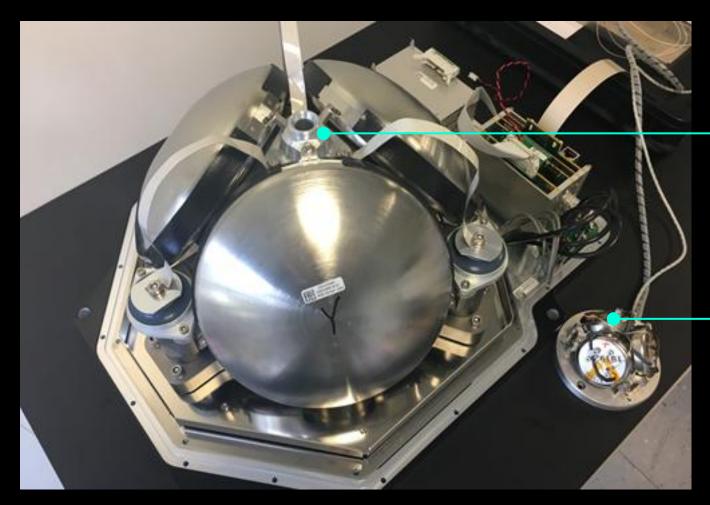
#### Navigation & Positioning is gaining momentum

**Evolution of Navigation & Positioning order intake**Before and after acquisition of iXblue signed early 2022





#### The future is smaller and towards volume markets



# PREVIOUS GENERATION OF INERTIAL NAVIGATION SYSTEMS

HIGH PRECISION, LESS COMPACT

#### **NEW GENERATION**

MORE COMPACT, LESS ENERGY CONSUMING BEST PRICE / PERFORMANCE ON THE MARKET













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