



WE CARE, WE PERFORM, WE DELIVER!



European Midcap Event

Paris, 23 June 2022









Today's presenters



Andrea Pizzarulli

Co-founder and Chief Executive Officer

- Experienced Technology Chief Executive Officer
- Former positions in opto-electronics, chip design, satellite technology and inertial navigation, holds 9 patents
- Worked in the industry in Italy and USA



Letizia Galletti

Chief Financial Officer

- Qualified Chartered Accountant
- Qualified Public Auditor
- Previously senior manager at







Introducing Civitanavi Systems' inertial systems

<u>Our Vision</u>: Civitanavi Systems' vision is to be the technology powerhouse for inertial stabilisation and navigation solutions, enabling the future of mobility



Navigationrelative position and orientation



Stabilisationautomatic stabilisation for safety and function



Multiplatform-friendly
appropriate for aerospace &
defense or industrial purposes

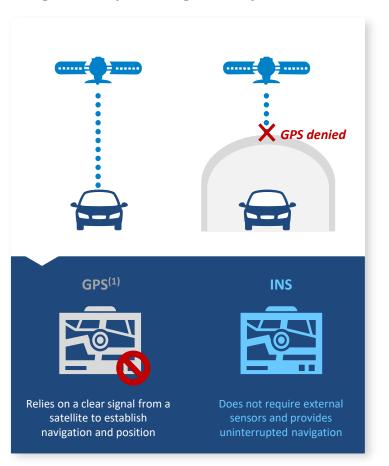




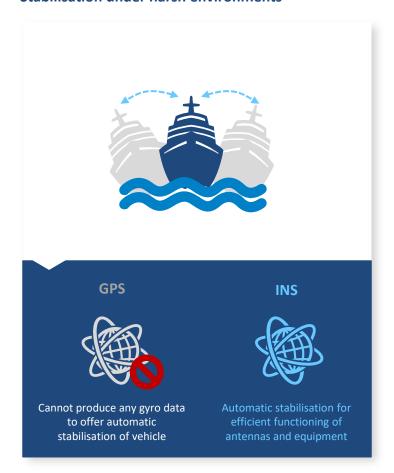


Why GPS simply isn't enough

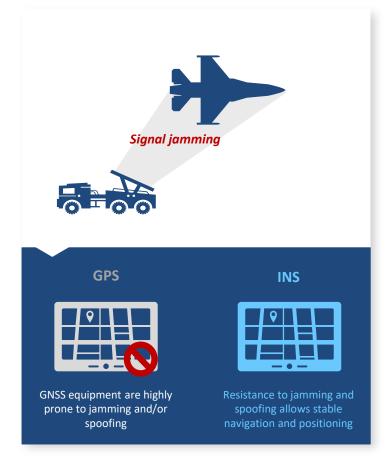
Navigation and positioning reliability



Stabilisation under harsh environments



Immune to jamming / spoofing







Input – aircraft has attitude, heading, and position

Solutions at every price

Various grades and accuracy levels at different price points

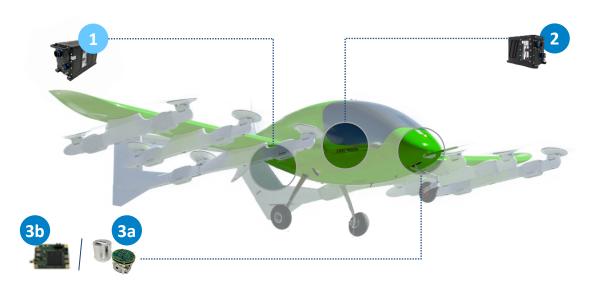
Price



Accuracy

Two key functions of an inertial system

Stabilisation and navigation



Navigation

The INS precisely calculates speed and direction of the aircraft under adverse conditions without external data

Stabilisation

The IMU provides fundamental measures to the flight control system that drives the various aircraft surfaces



Civitanavi Systems



Civitanavi Systems at a glance

Highlight 2021

Unique capabilities



Serving a globally diversified customer base...



...growing presence, starting from Italy and the UK

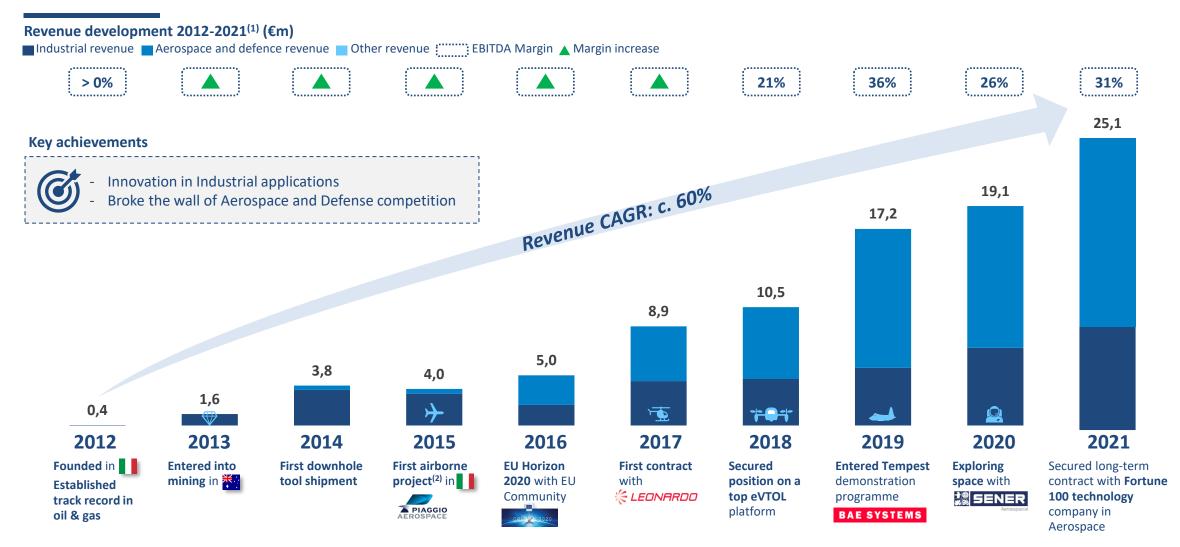




Civitanavi Systems



Civitanavi Systems continuing a profitable growth since inception





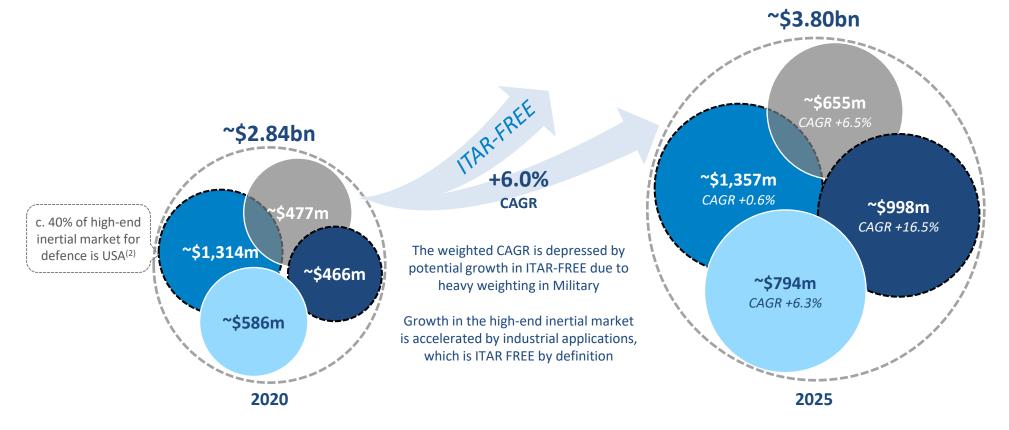


Civitanavi Systems is growing faster than the reference market (ITAR-FREE)

High-end inertial market segment forecast

——— Total high-end inertial industry ——— Civitanavi Systems' definition of aerospace and defence

● Defence / Military ● Commercial naval ● Commercial aerospace ● Industrial applications





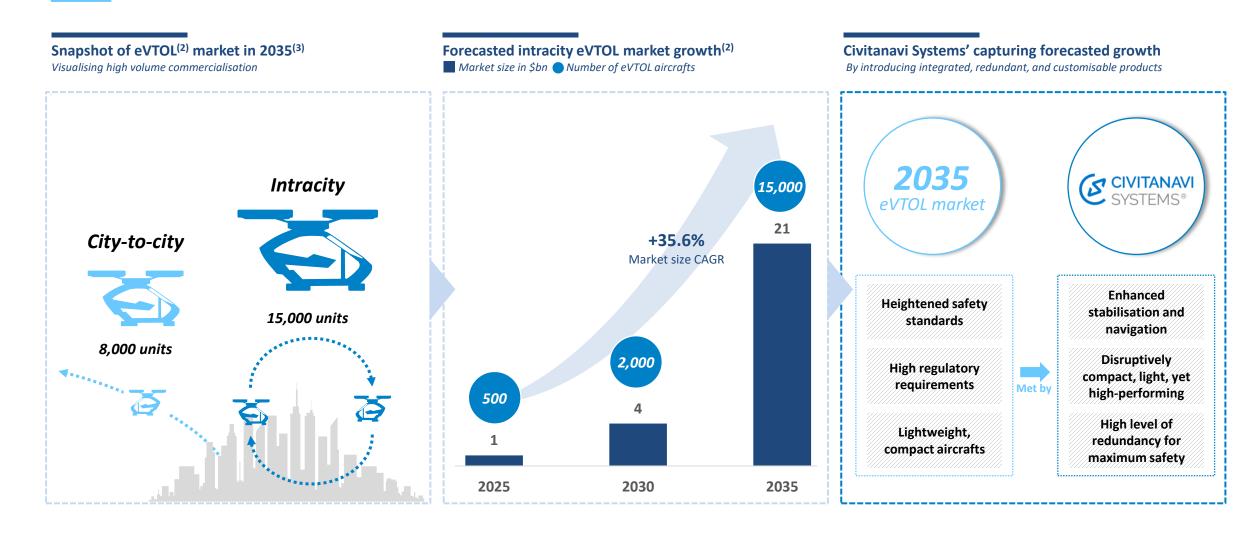








Assessment of TAM⁽¹⁾ for urban air mobility



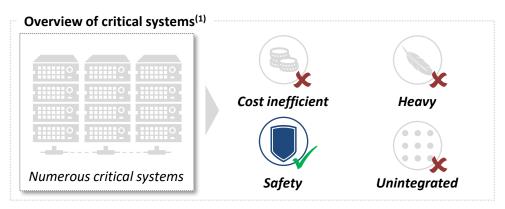




Prepared for the coming eVTOL demand

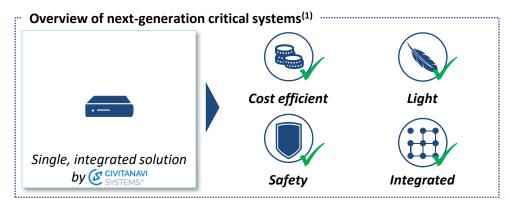
Conventional installation of critical systems for flight Commercial aircraft





Overcoming requirements with a single, highly-integrated solution **eVTOL**









Platform-agnostic technology with variety of end markets

Aerospace and defence

Space *Launch systems*



Land *Military vehicles*



Aeronautics *Jets, Helicopters, & eVTOLs*⁽¹⁾



Other *Naval surface, subsea, and guidance*



Industrial

Mining, Oil & Gas Drills, Subsea equipment



Product



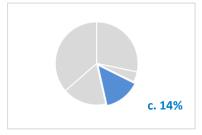


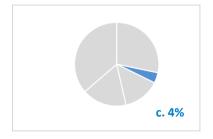


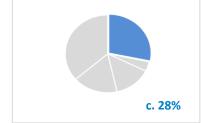


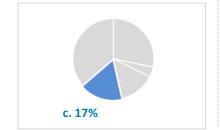


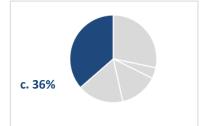
Share of revenues (2021)















Unique position serving an unserved segment of the market

	Market share ⁽¹⁾ Direct competitors of Civitanavi Systems	ITAR-free / US content free Exempt from strict export controls	True solid state for safety-critical applications High-performance, non-mechanical gyros	Stabilisation suitability Technology suitable for both stabilisation and navigation
Honeywell	Leading	*	*	*
NORTHROP GRUMMAN	Leading	×	√	√
SAFRAN AEROSPACE - DEFENCE - SECURITY	Leading	✓	×	✓
THALES	Niche	\checkmark	×	×
	Niche	√	*	√
iXblue	Niche	\checkmark	*	\checkmark
	Niche	*	×	\checkmark
emcore°	Niche	×	×	\checkmark
© CIVITANAVI SYSTEMS®		\checkmark	✓	\checkmark





Protected by an impenetrable moat made up of layers of value

Software

Proprietary software developed in-house, which translates algorithm into embedded code of the processor

Algorithm

An INS is formed by inertial sensor assembly and a complex navigation algorithm, which is developed by Civitanavi Systems' in-house team of PhD mathematicians and implemented into software and firmware designed according to safety-critical standards

IMU Calibration

Assembled inertial sensors are calibrated with a sophisticated algorithm and state-of-the-art motion simulators

Development & Assembly

Civitanavi Systems is the assembler and developer of the product with further improvement costs

Gyro Fiber Coils

The fiber coil is the heart of the gyroscope sensor and represents a technological advantage in the manufacturing process and scalability

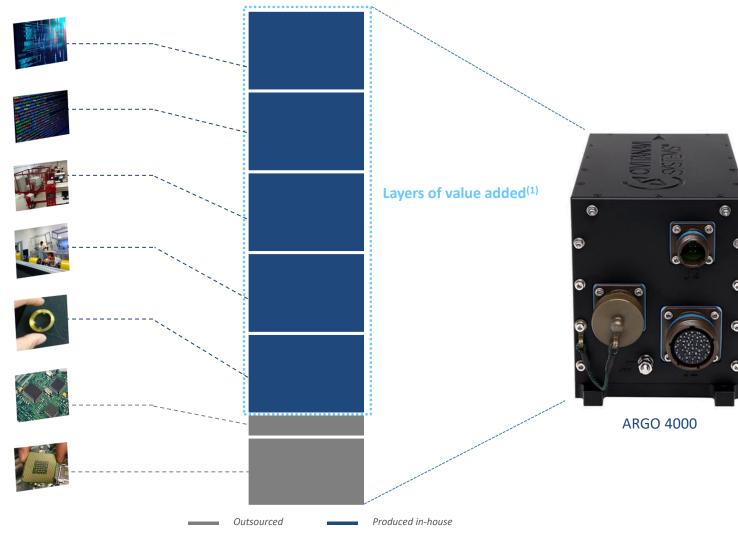
Contract Manufacturing

Civitanavi Systems

Outsourcing of custom-made mechanical parts and electronics cards, all designed in-house. Outsourcing includes PCB (Printed Circuit Boards) and its surface mounting devices (SMD) assembly

Industrial / Telecom / Automotive "COTS"

Most of the electronics and opto-electronics components used in the inertial systems are COTS (Commercially Available Off-the-Shelf) from large-scale industries like automotive, consumer electronics or telecom







Leveraging COTS-based sourcing to achieve price flexibility

Comparison of value add-on capabilities



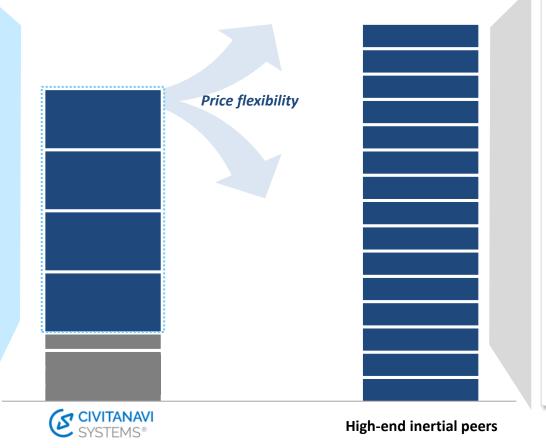
Proprietary tech stack

Made possible by repurposing thrift COTSsourced materials from the telecommunications industry



Fabless model

Custom photonic ICs⁽¹⁾ designed in-house Manufacturing outsourced to large-scale optics foundries with low prices for telecommunication industry





In-house development of entire spectrum of the tech stack

Lack of advantage of COTS-based material sourcing and high capex requirements



Lack of price flexibility

Unable to shave off costs of numerous inhouse procurement and production

Produced in-house Outsourced





Gold standard design and vertically integrated production

Design and engineering

Production process design

Key production processes

Automatic calibration

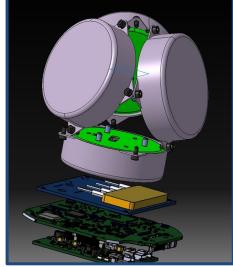
Testing

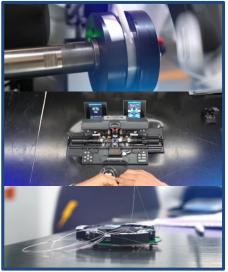
















Design and engineering

A deliberate and bespoke process

Full in-house engineering capabilities to design cutting-edge products using fully developed, proprietary, and patented technologies. Civitanavi Systems also holds Alternative Design Organisation Approval (DOA) from EASA⁽¹⁾ for safety critical certifications

Production process design

Flexible and capex-light

Intense use of fiber optic telecommunication manufacturing capabilities. Process designed to allow maximum production flexibility on large variety of product types

Production

Control of our destiny

Key production processes done inhouse to maintain control over production of key components, enabling inertial systems manufacturing and manufacturing technology to control and scale the production with outstanding margins

Calibration

Advanced calibration process

Cutting-edge calibration facility with more than 5 highest-accuracy motion simulators. Proprietary calibration algorithm to ensure maximum performance of the Inertial Navigation **Units and Systems**

Testing

Ensuring highest quality on each shipment

Civitanavi Systems holds EN9100 Quality standard certification for aerospace and defence. In addition, Civitanavi Systems also holds Production Order Approval (POA) from ENAC(2) for production of safety-critical systems



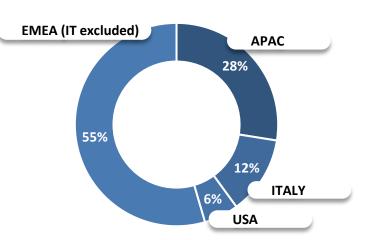


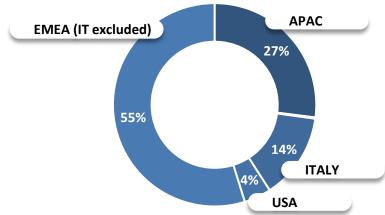
Diverse revenue exposure by geography

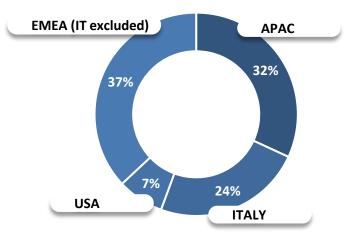
Revenue concentration 2019

Revenue concentration 2020

Revenue concentration 2021









Revenue stream driven by programmes Civitanavi Systems wins, but not geared to government defence budgets



Well diversified portfolio revenue spread across different regions





Strong revenue growth

Total revenue (€m)

Booking¹

% of Revenues







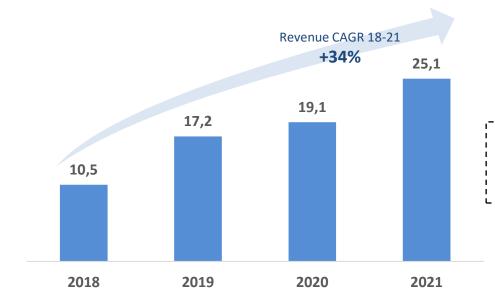


132%



95%





Key Comments 2018 - 2021

- Revenues in 2020 up c.11% YOY despite the impact of Covid-19 that prevented the company from development of new business
- Revenues in 2021 up c.31% YOY and a good proxy of the company growth trend is the 2018-21 CAGR of c. 34%
- €25.1m 2021 revenue is driven by programs for which the Company is already qualified (~92% of estimated Total revenues) and the launch of new programs
- Strong growth in 2021 booking, driven by the Company's ability to turn opportunities included in the soft backlog into actual bookings (+65% YoY)
- Total booking 18-21 / total revenues 18-21 = 105%

Key Comments Q1 2022

At the date of press release, 29 April 2022, <u>Booking 2022 amount to EUR</u> 11,9m€

Guidance Total Revenue: FY22E is in a range: 34.8m€ – 38.7m€ FY23E in a range: 61.6m€ – 68.4m€

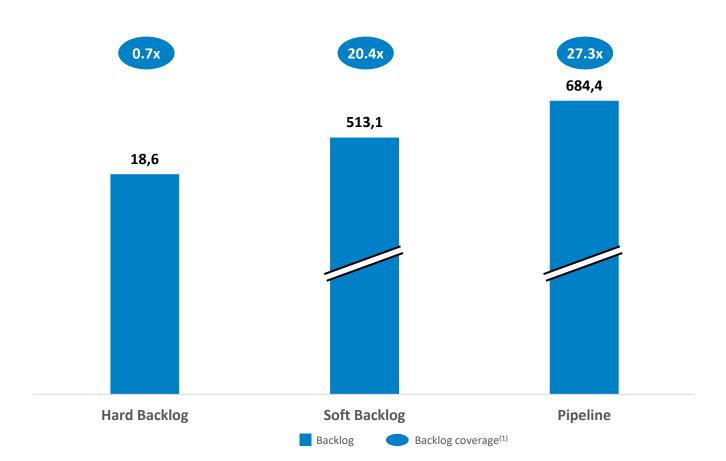






Approx. 1y backlog and soft backlog and pipeline within 2030 (as of 31 Dec 2021)





Key Comments

- Hard Backlog: it comprises signed framework contracts and related order indications for which Company assigns a P-Tot equal to 100%
- Soft Backlog: it comprises signed follow-on and options attached to existing contracts, as well as unsigned contracts that are more likely than not to both take place and be rewarded to the Company within 2030, which Company assigns a P-Tot greater than or equal to 50%. The soft backlog is mainly related to A&D space.
- Pipeline: it comprises contracts that are less likely than likely to take place and be rewarded to the Company within 2030, to which the Company assigns a P-Tot minor to 50%.
- For the purpose of the above, P-Tot is the total success probability for a single opportunity, calculated by the Company as follows⁽²⁾:

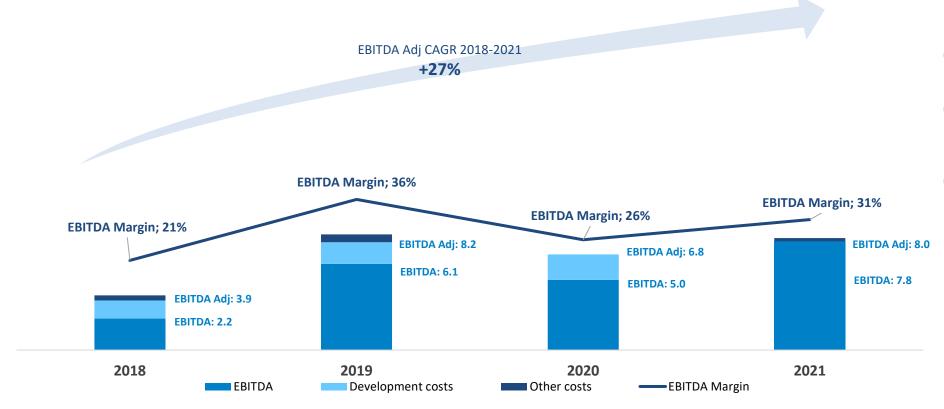
 P-Tot⁽³⁾: P-Go* P-Win where: (i) P-Go: is the Company's assessment on the probability that the project will be funded, or the customer will finalize the order, (ii) P-Win: is the company's assessment on the probability of winning an opportunity compared to its competitors





Highly attractive margin profile

EBITDA, **EBITDA** Adjusted and **EBITDA** margin (€m)



Key Comments

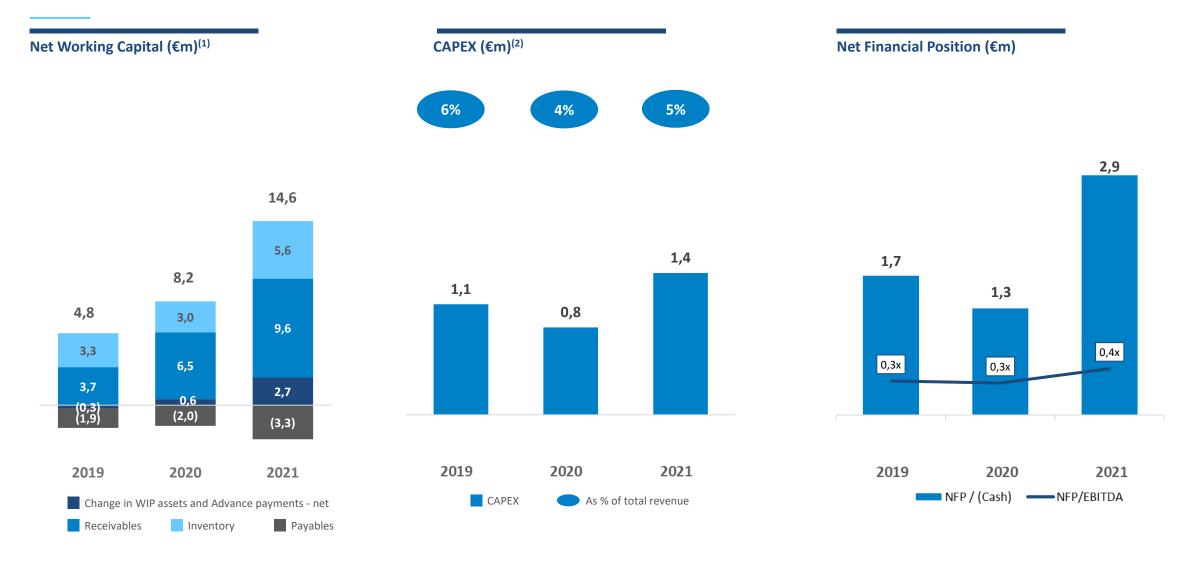
- In 2020, the Company sold some components and semi-finished products at cost price in order to receive from year 2022 onwards, royalties associated with the sale
- 2019 EBITDA is explained by the same pluriannual contract as above, which provided a peak of activity in 2019
- The decrease in the EBITDA margin between 2019 and 2020 is mainly due to the higher incidence of raw material costs by ~6 % as well as of personnel expenses by ~3 %
- EBITDA margin 2021 shows a strong increase from 2020 despite a larger amount of products sold at production cost for the same contract abovementioned

Guidance EBITDA Adjusted margin:
FY22E and FY23E will be in line or not lower than FY21





Solid balance sheet with low leverage







Platform-agnostic technology with strong and continuous growth





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Pipeline: it comprises contracts that are less likely to take place and be rewarded to the Company within 2030 than likely contracts, which Company assigns a P-Tot minor to 50%

For the purpose of the above, P-Tot is the total success probability for a single opportunity, calculated by the Company as follows:

where: (i) P-Go: is the Company's assessment on the probability of winning an opportunity compared to its competitors The value of each single opportunity included in the Soft Backlog or in the Pipeline is weighted by the P-Tot assigned to it by the Company's management (e.g., opportunity value equal to 100, relevant P-Tot equal to 65%, value in Soft Backlog 65).

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