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Agenda

- Executive Summary
- Appendix



Avio: a pure player in Space Launchers





- 360 M€ revenues (10% CAGR 2014-19)
- 1.000 employees
- 400 M€ Mkt Cap
- 70% free float
- 4% Mgmt share





- European heavy launcher (10.5 tons in GTO)
- Avio: partner and supplier for strap-on boosters

- European light launcher (1.5 tons in LEO)
- Avio: developer, manufacturer, launcher system integrator

Industrial operations in Europe and French Guyana

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AVIO



The launch industry is the gateway to the Space economy



x% = 2015-18 CAGR













Launch industry^(1,2) \$ 6.2bn +5%

Satellite manufacturing \$ 19.5bn +7%

Ground Segment⁽³⁾ \$ 125.2bn +6%

Satellite services(2,4) \$ 126.5bn stable

End users

Government \$ 82.5bn









































































(1): Includes launcher manufacturing and launch service activities

(2): Commercial services revenues only (3): Includes GNSS chipsets and Related

(4): Includes commercial humanflight 6

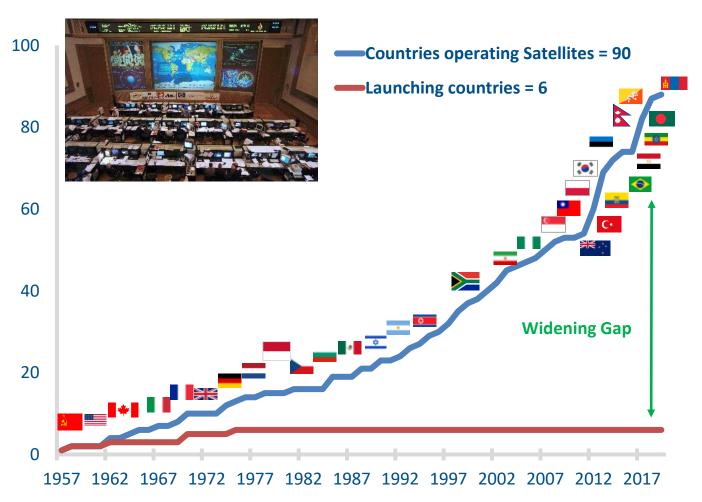




Increasing gap between geographic origin of demand and supply

of Countries

Population covered





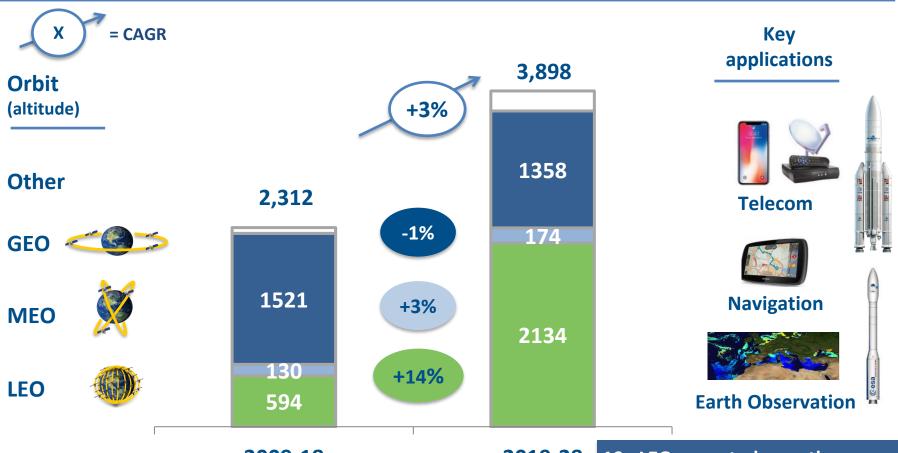


fast-growing in LEO

For the next decade: stable launch demand in MEO-GEO,



World total mass at launch (tons)



2009-18

2019-28

10y LEO expected growth re-assessed at +14% (last year estimate +9%)



Growth in demand of satellite services is driven today largely by Earth Observation and connectivity services



Application



Example



End Users

- Investors & financial analysts (Quant, Commodity)
- Intelligence analysts
- Customs & Border agents







- Farmers
- Insurance companies
- Meteorological agencies
- Civil Protection agencies







- Defense
- Intelligence agencies
- Rescue operations

Energy & natural resources









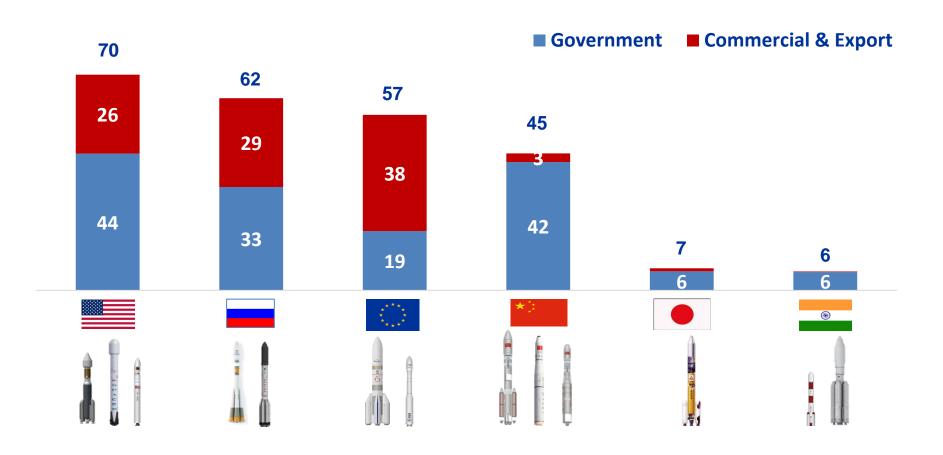
- Investors & financial analysts (Quant, Commodity)
- Insurance companies



Launch capabilities concentrated in a few countries. Export capacity essentially in Europe and USA



Average Annual Mass Launched in 2009-18 (Tons)



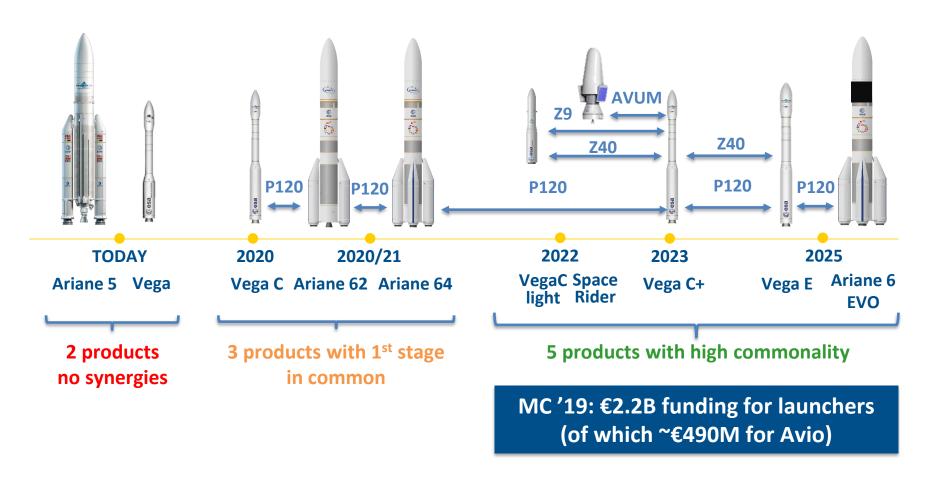


2019 – ESA Ministerial Council: secured €490M funding for new development projects





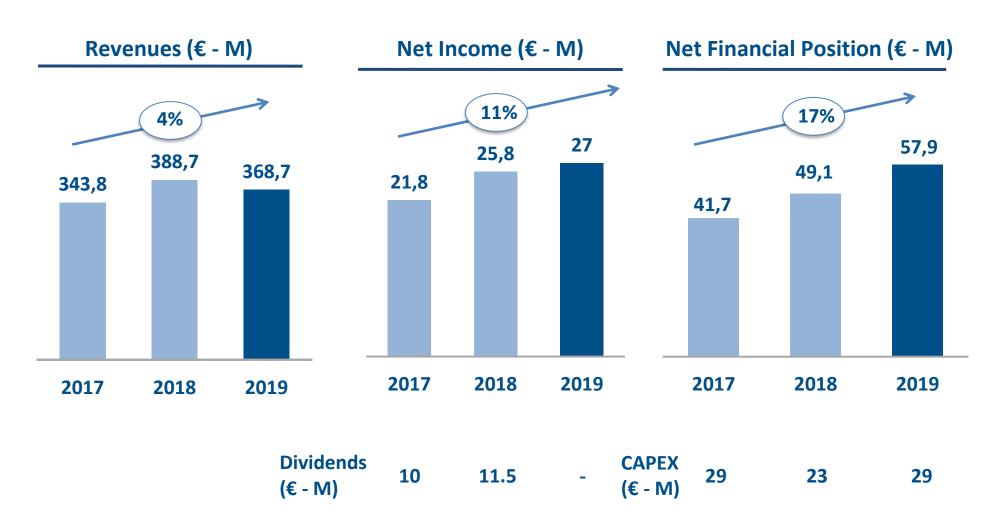
Product roadmap funded at ESA Ministerial Council '19





Steady growth of earnings and cash since 2017







Next steps – Busy 2020 and incoming contracts

Upcoming flight activity

- VV16 SSMS 18 June
- VV17 August
- VV18 by year-end
- Vega C launch campaign to start by year-end
- Ariane 5 VA253 end of July

Backlog

- Contractualization of the ESA '19 MC developments in progress
- Tactical production contracts expected to be signed in the next few weeks

Development

- Vega C ground qualification review 3rd quarter
- P120 QM2 test (third and last static firing test for Ariane 6) by year-end

2020 Financial results

- September 14th: HY 2020 possible definition of the 2020 Guidance
- November 5th: 9M 2020 results

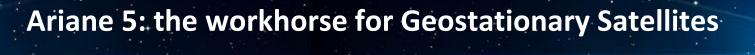


Agenda



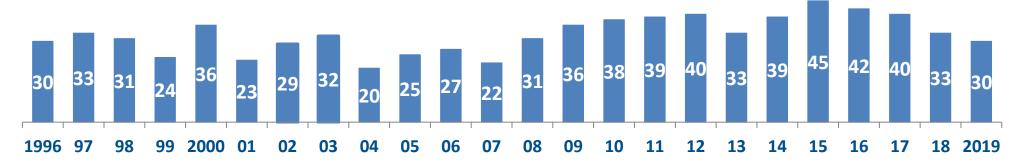
Appendix



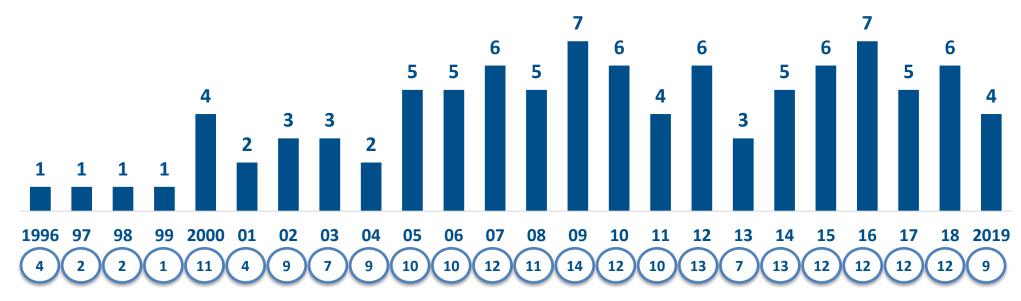








of Ariane 5 Launches (launches with two satellites)





A stable and resilient business

Ariane: global customer base for GEO launch

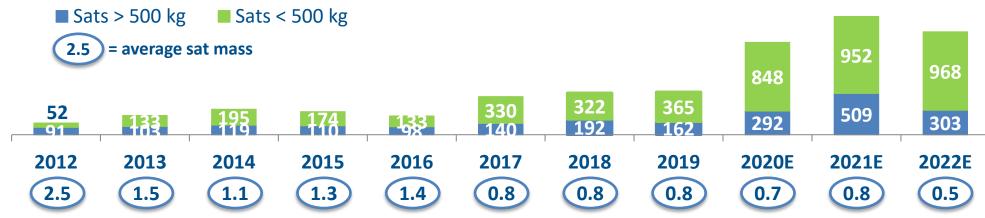




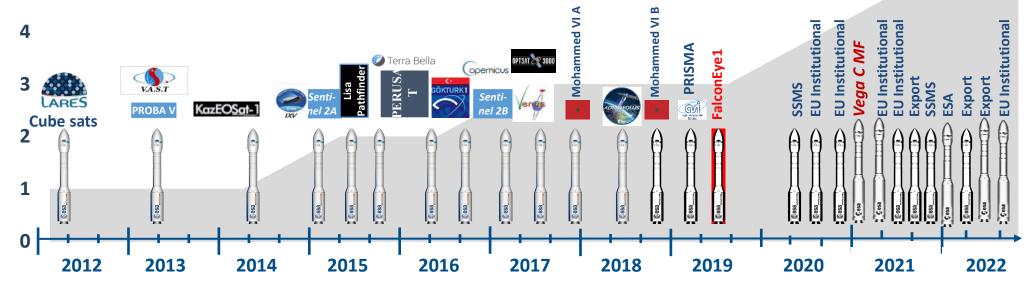
With the Sat miniaturization trend, Vega is ready to increase launch cadence to perform 5 flights per year







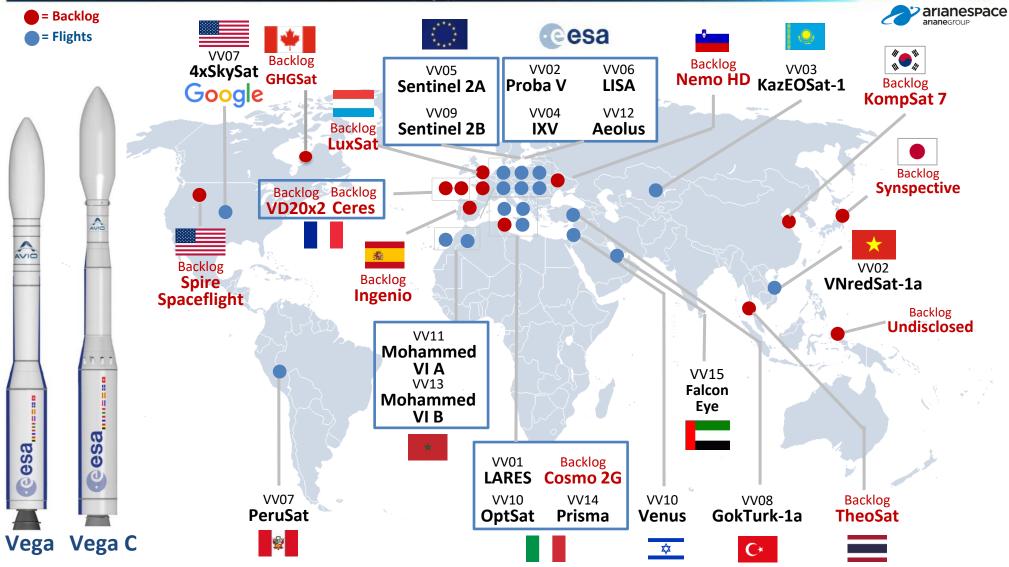
Number of Vega Launches per year (cumulative 3 yrs avg)





5

Avio established as a global player through its flagship product Vega dedicated to LEO launch



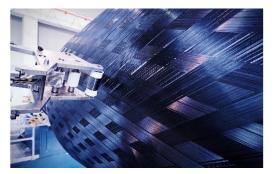


Automation and standardization to increase cost competitiveness

















Vega C Ariane 62 Ariane 64



Single main-stage, higher volumes, economies of scale





May 2020: Vega on the Launch Pad and ready to return-to-flight

New Launch date: 18 June

VV16 – Vega return to flight with SSMS PoC*









- VV16 integrated, operations to resume on May 25
- First European «rideshare mission» for small satellites (booming demand)
- More than 50 satellites from the US and the EU including Planet, Spire, GHGSat, Tyvak,
 ISIS
- Innovative mission delivering on 2 different SunSyncronous orbital planes



2019: Key accomplishments on new developments



A6/Vega C: P120 firing test (Kourou)



Vega C: Zefiro40 firing test (Sardinia)



Space Rider Project Design Review



Return to flight: Zefiro23 firing test (Sardinia)



Vega E: M10 LOX-CH firing test (USA)



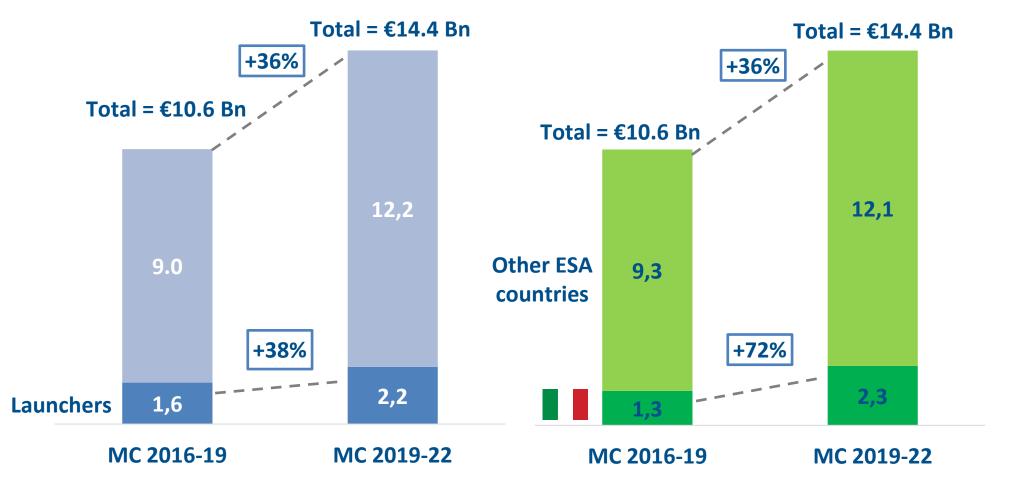
First successful Camm-ER tests



Positive outcome of the 2019 ESA Ministerial Council



ESA Ministerial Council Subscriptions



Positive outlook for the evolution of Vega programs







SOURCE: ESA and ASI

Vega C getting ready for Maiden Flight by 1st semester 2020

Sub-systems readiness



Fairing



Vampire adapter



Wind Tunnel Test



Vibration tests



New prop. tanks



AVUM new gas tank



HWIL tests



UCEMC test



Z40 Firing Test (May)



IS2/3



A2 Assy test



UCMEC tests **New facilities**



P120 Firing Test (Jan. '19)



IS1/2



P120 BBP



P120 BIP Extension



FAIRING

AVUM

Z9

IS2/3

Z40

IS1/2

P120

esa

Ariane 6 getting ready for Maiden Flight by end of 2020



VINCI





Ariane 6 Fairing Shell completed (Jun.)



Ariane 6 launch vehicle building under way



Ariane 6 mobile gantry in construction



Vulcain 6
Firing Test (Jul.)



Upper Stage Tanks' Integ. (Jul.)



Vinci Engine Qualification Test (Oct.)



arlane

P120 Firing Test (Jan. '19)



Ariane 6 P120 Rear Skirt Integ. (Aug.)



Ariane 6 Launch Pad almost ready



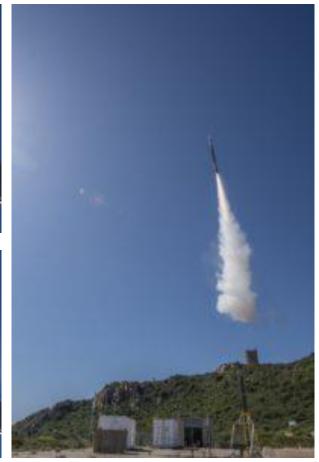
Tactical propulsion: Successful Camm-ER tests



- MBDA successfully completed trials of the CAMM-ER air defence missile
- Series of firings proving performance at extended ranges and high altitudes
- CAMM-ER features a larger rocket motor to provide extended range beyond 40 km
- Avio responsible for the propulsion of the CAMM-ER defence system







Q1 2020 financials in line with Q1 2019

Q1 2019	MAIN ECONOMICS/	Q1 2020	DELTA	DELTA
ACTUAL	FINANCIALS	ACTUAL		
€ - M		€ - M	€ - M	%
82,6	NET REVENUES	80,0	(2,6)	-3%
7,0	EBITDA REPORTED	7,2	0,2	4%
8,4%	% on net revenues	9,0%		
7,0	EBITDA ADJUSTED	7,8	0,8	11%
8,5%	% on net revenues	9,8%		
3,1	EBIT REPORTED	3,1	0,0	0%
3,8%	% on net revenues	3,9%		
3,2	EBIT ADJUSTED	3,8	0,6	18%
3,9%	% on net revenues	4,7%		
31 DEC 2019		31 MAR 2020	DELTA	DELTA
ACTUAL		ACTUAL	DELTA	DELTA
€ - M		€ - M	€ - M	%
57,9	NET CASH POSITION	42,1	(15,8)	-27%

Comments

- Slight slowdown in production and development activities
- EBITDA benefitting from effective fixed costs control
- Increase of non recurring costs related to the COVID-19 outbreak (e.g. protection equipment and donations)
- Increase in depreciation related to previous years' capex

• In line with ordinary business cycle



Publicly announced flights in backlog and beyond for Vega and Ariane



Flights in backlog, detailed launch dates and schedule TbD





Some flights have the option to fly alternatively with Vega or Vega C
Some flights have the option to fly alternatively with Ariane 5 or with Soyuz
Source: Arianespace announcements and PRs, ESA, Press releases, Public information, NextSpaceflight.com
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Share buyback program launched in August 2019

Objectives

- Efficient use of liquidity generated by the ordinary business activities through a medium-long term investment
- Offer an additional return to shareholders along with dividend payments
- Possible use own shares in M&A transactions

Program scheme

- €9M maximum investment amount (as decided by shareholders in April)
- Initial mandate by BoD in August for €5M lasting until October 2020
- Share Buyback carried out by an independent broker (Equita SIM, S.p.A.)

Following the purchases made so far, as of May 22nd 2020 Avio S.p.A. holds # 315,300 own shares, corresponding to 1.20 % of total Avio's share capital (9th August – 22nd May)*

^{*}Daily purchases capped by law at 25% of average daily volumes of the previous 20 trading days



Structural elements of Avio's business resilience

Drivers			Elements of resilience	
Commercial	• FY 2019Net Order Backlog	~€700M	 2 years-equivalent revenues, 3-4 years business visibility based on planned roll-out > 10 Vega flights & > 20 Ariane flights ~70% of backlog for government end customers 	
Comi	New orders from ESA to be received from 2020	~€500M	 Development projects subscribed at ESA MC '19 	
	• Positive NFP	~€60M	 Available cash to better manage operations Flexibility in Capex planning & execution 	
Financial	Low-interest Gross Debt	~€50M	EIB 7 years-term debt<1% fixed interest rate	
	Tax credits	>€80M	Deferred tax assets (Income Tax)Additional VAT and R&D credits	
	Own shares	~€4M	• Buyback limit €9M	
	Mgmt Long Term Incentive	~€1M	 Bonus payment voluntarily deferred to 2021 	



Vega E development: nearing full scale M10 firing test



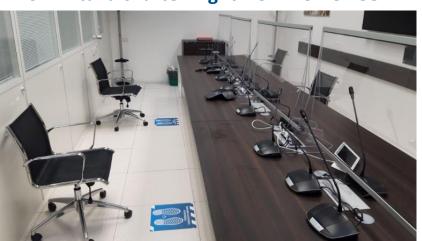


- Conducted extensive firing test campaign on sub-scale combustion chamber
- M10 LOX-CH Engine components PDR :
 - Turbopumps (Liquid Oxygen and Methane)
 - Combustion Chamber (realized with additive manufacturing)
 - Igniter
- Text performed successfully on February-March 2020 at NASA facilities in the USA

End of the COVID-19 lockdown: adaptation to new normal



11 May -Avio VV16 team departing to Kourou on Alitalia charter flight from Rome FCO



Adapted meeting rooms



Individual protection equipment



Modified layout to access facilities



Hand sanitizer dispensers



Recent commercial successes highlight customers' confidence in Vega and Ariane





Vega



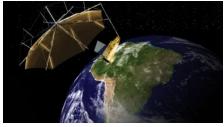
Earth Explorer Biomass

- Earth Observation satellite to monitor forests degradation and fires through the analysis of carbon dioxide
- Weight: 1.2 tons
- Orbit: **SSO @666 Km**
- Launch vehicle: Vega
- Launch date: starting in 2022

Undisclosed customer

- Earth Observation satellite to monitor **Typhoons**
- Orbit: **LEO**
- Launch vehicle: Vega









Ariane

Galileo constellation

- European Union costellation of navigation satellites for EU citizens and enterprises
- Weight per sat: 0.7 tons
- Orbit: MEO @23,616 Km
- Launch vehicle: Ariane 62
- Current number of scheduled flights with Ariane 62: 6, with 4 additional sats announced on January 2020
- Launch dates: starting in 2021









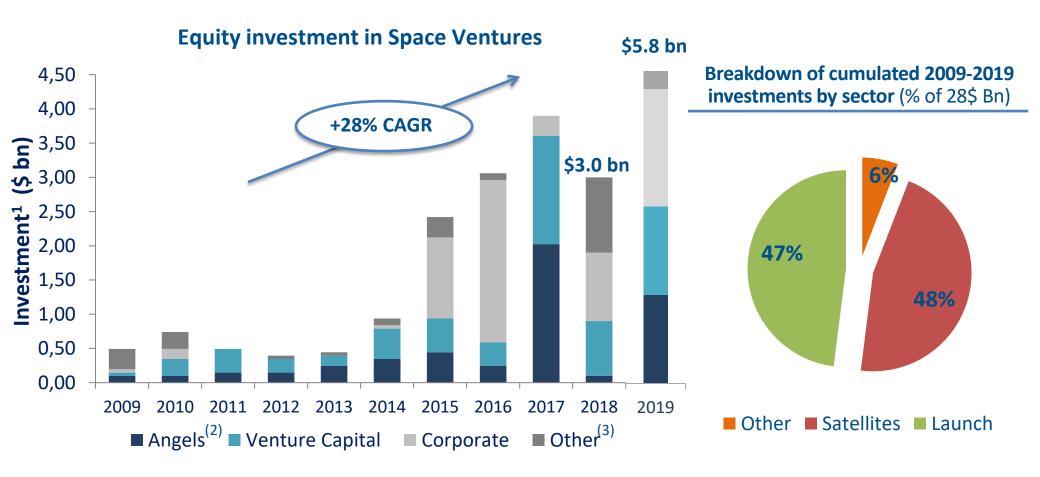






With also private investments in the Space sector continuing to grow rapidly

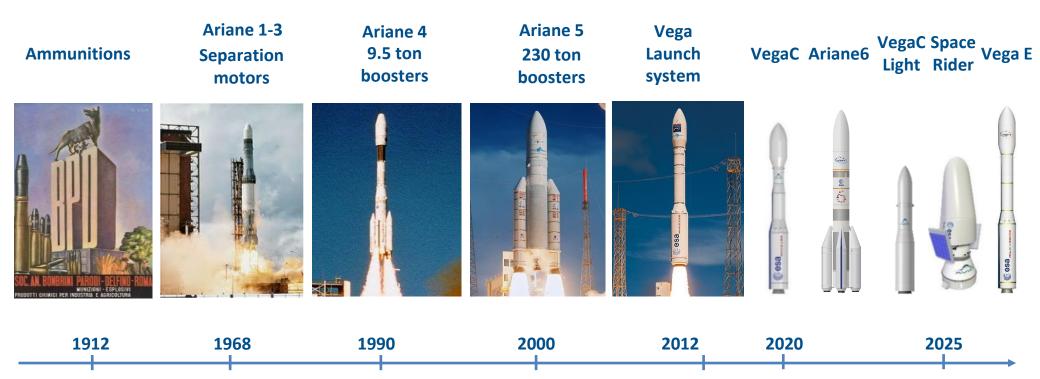




- (1) Annual non-governmental equity investment
- (2) Angels include investments from Jeff Bezos, Richard Branson, Elon Musk, and Robert Bigelow (total \$>2 bn)
- (3) Other includes Foundations, Private Equity, Sovereign Funds, Crowd Platforms, etc. Source: Space Angels Q4 2019 Investment Report



50 years of expertise in Space technologies with consistent track record





Managed by a team of Investors



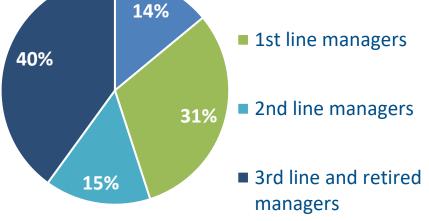
4% share in Avio



70 Avio managers as equity partners

InOrbit shareholding breakdown

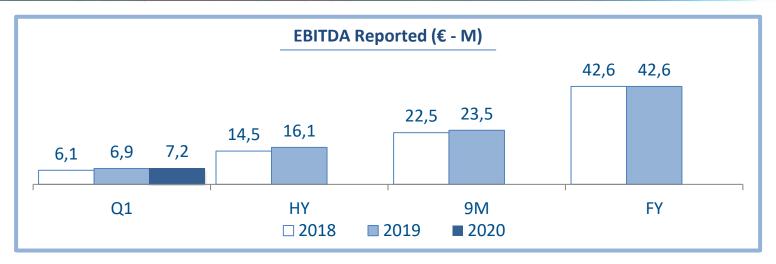
■ CEO

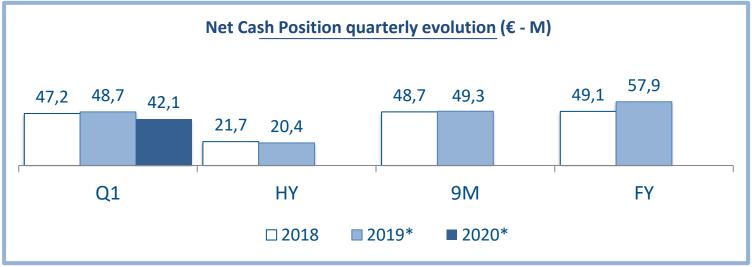




Quarterly pattern of Reported EBITDA and Net Cash Position







^{*} Include effects of IFRS 16





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