



THE EUROPEAN GATEWAY TO SPACE

Bank of America SMID Cap Conference 2022

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avio.com



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Avio: the European pure player in Space launchers



European heavy launcher (10.5 tons in GTO)

Avio: Strap-on boosters



300 € Mln

Mkt Cap

1,000

Employees

~60%

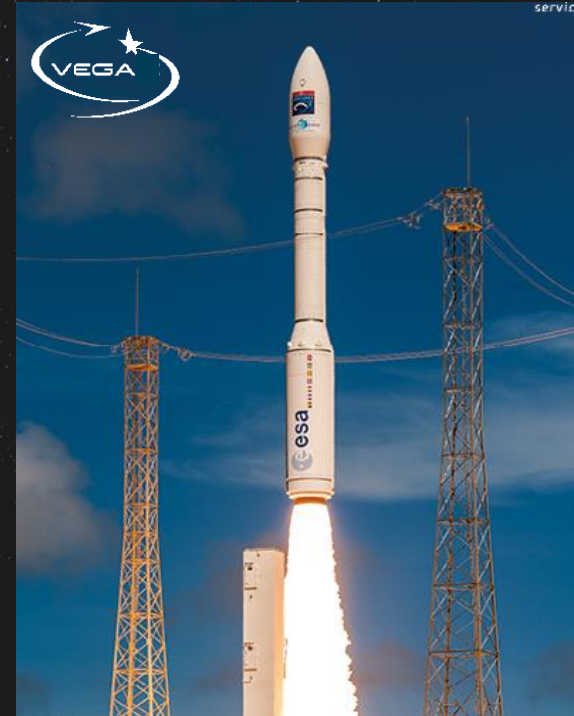
Free Float

4%

Mgmt Share



NEW 2022



European light launcher (1.5 tons in LEO)

Avio: System integrator

Ariane and Vega : a global customer base



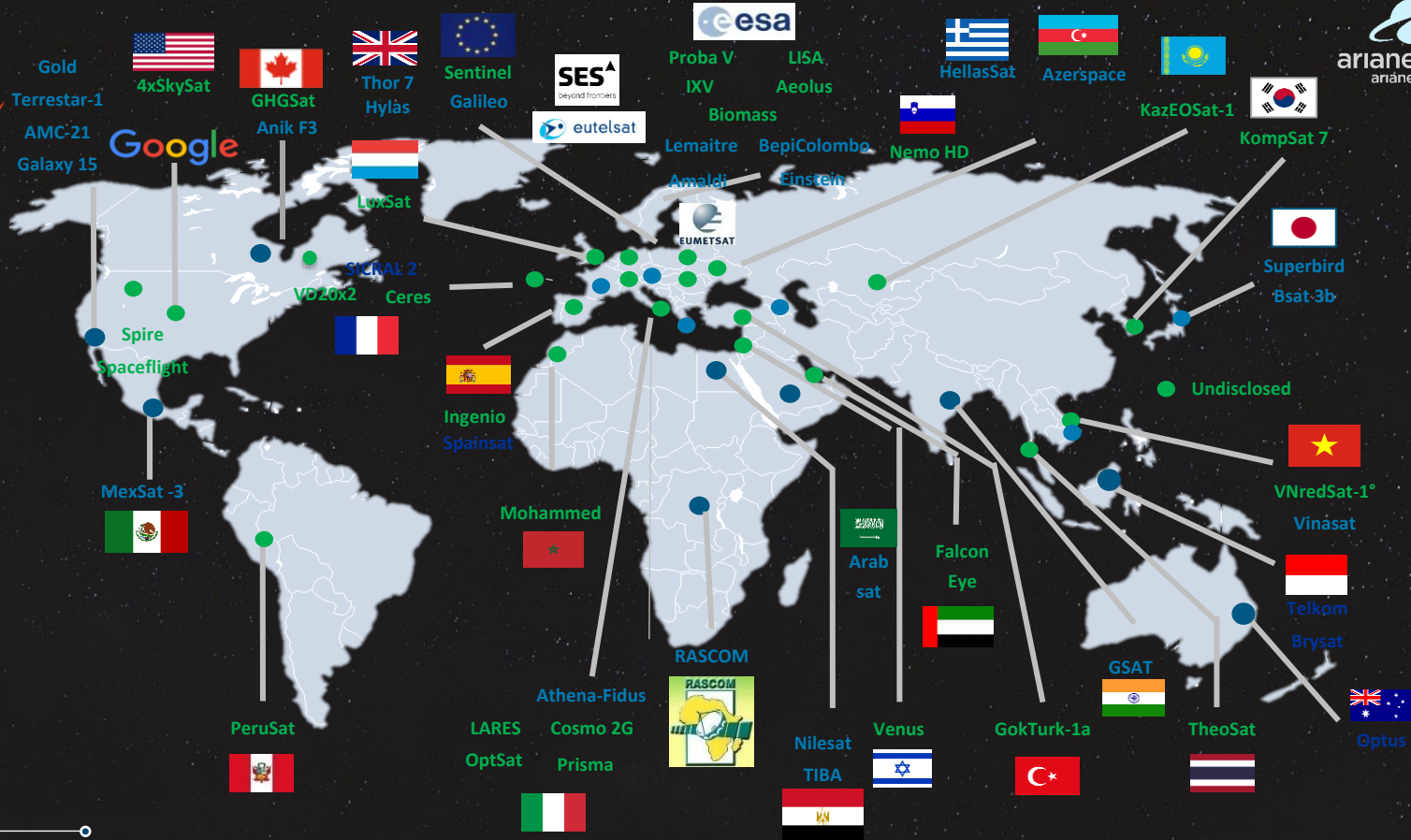
● = Ariane
● = Vega



Ariane 5



Vega



Avio: a public company managed by a team of investors

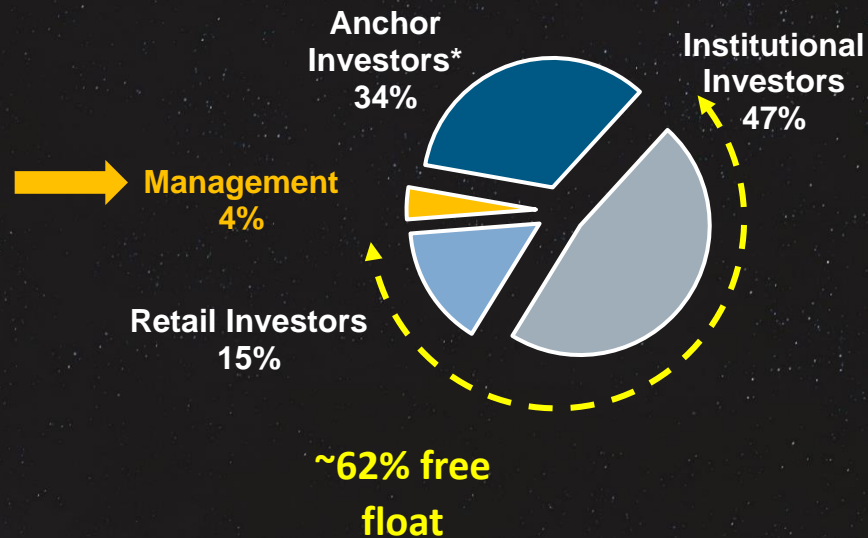


Milan Stock Exchange

Ticker: AVIO.MI – ISIN: IT0005119810

70 Avio managers

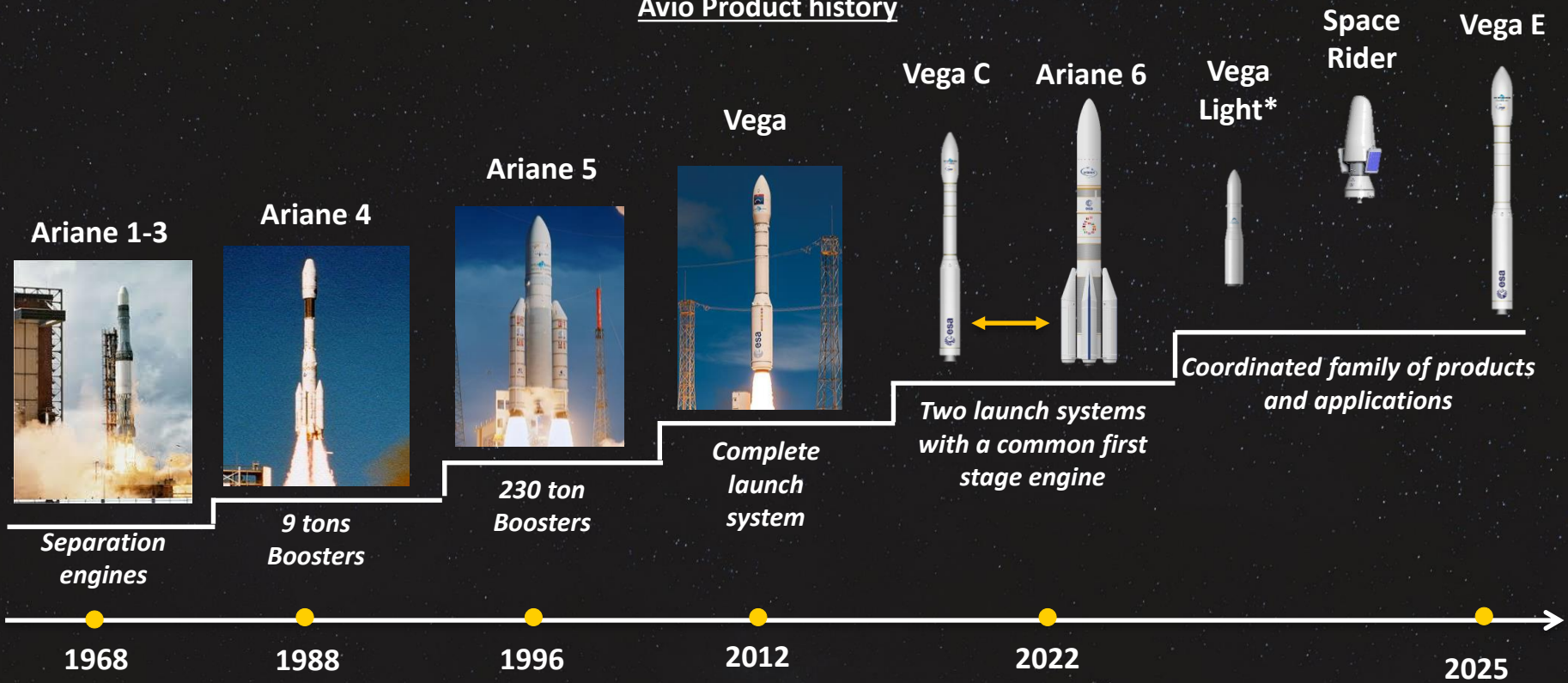
Avio shareholders' breakdown



50 years of track record in Space launch



Avio Product history



Industrial operations in Europe and French Guyana



Main stage integration

- Colleferro, Rome
(GMT +1) N41.727 E13.0030
- SRM design, production
- Mission analysis
- Flight Software
- Stage integration
- Testing



SRM Manufacturing



Propellant casting

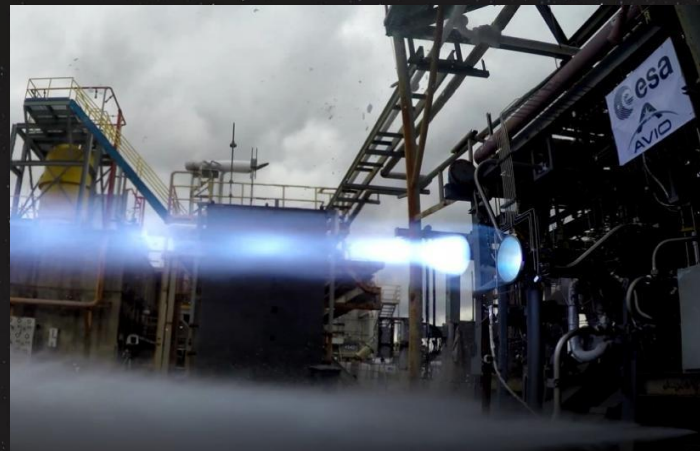
- French Guiana
(GMT -3) N4.003 E52.995
- Avio runs three facilities at the European Spaceport :
- SRM casting and integration
- Vega launcher operation

- Paris
(GMT +2) N48.856 E2.351
- Large SRM design/integration



Upper stage integration

Testing and launch operations in Europe and French Guyana



The launch segment : the gateway to the Space economy



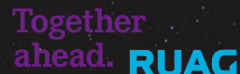
Global space value chain (2020)



A MAXAR COMPANY



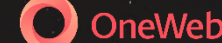
A Finmeccanica/Thales Company



Enabling Convergent Technologies



beyond frontiers



bp



Louis Dreyfus Company

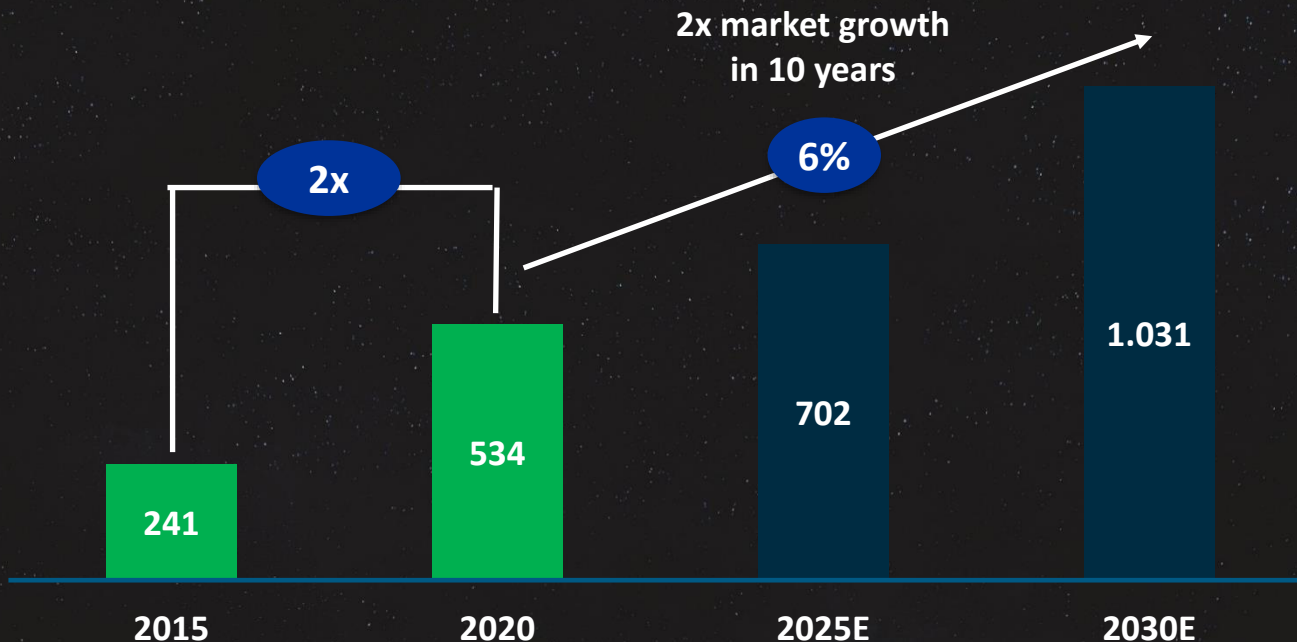
Space launch demand growing fast in the LEO segment



World Market

x% = 2020-'30E CAGR

World Total mass at Launch per year [Tons]



CAGR = 8%

Telco



CAGR = 7%

Science & Exploration



CAGR = 9%

Earth Observation

Successful 2021 with 3 Vega missions in 6 months and the James Webb Space Telescope mission in December with A5



2021



Star One D2
Embratel
Eutelsat Quantum
EUTELSAT



SES-17
SES
Syracuse 4A
France flag



James Webb Space Telescope



Ariane

VA254
July

VA255
October

VA256
December

Return to flight activities

Pléiades Neo
5 smallsats



Pléiades Neo
4 smallsats



Ceres 1,2,3
France flag



Vega

VV18
April

VV19
August

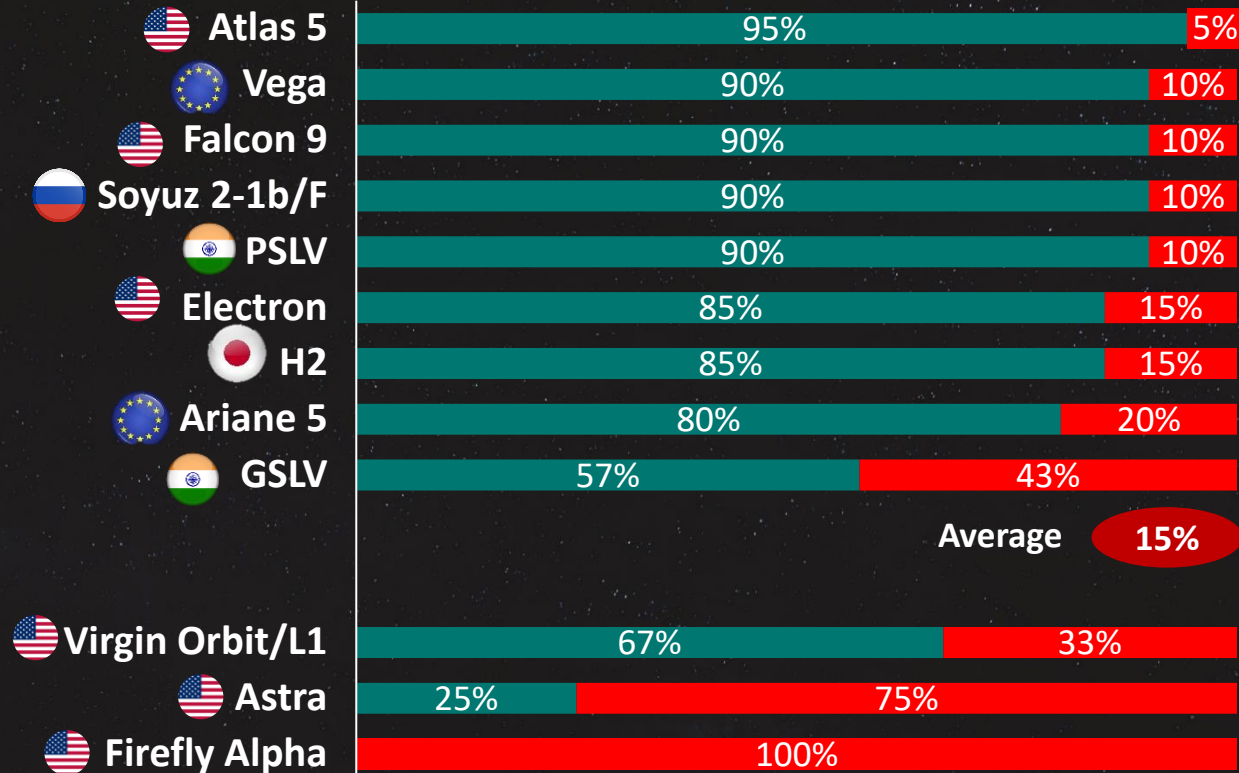
3 flights in 6 months

VV20
November

Restored better than average reliability track record



First 20 missions performance



European Launchers – product range evolution roadmap



Capacity
Reference Orbit

10,5 t
GTO

1,5 t
LEO

6 t
GTO

11 t
GTO

2,3 t
LEO

0,3 t
LEO

0,8 t
LEO

2,8 t
LEO

12 t
GTO

SSMS
Payload
Adapter

Launch &
Re-entry



P120

P120

P120

TODAY

2022

2023

2026

Ariane 5

Vega

Ariane 62

Ariane 64

Vega C

Vega Light*

Space Rider

Vega E

A6 Evo

Established legacy and track record

Commonalities and cost reduction

Broader offering and further cost reduction

Upcoming Maiden Flights for both Vega C and Ariane 6



Vega C preparations



P120 motor flight item



Z40 motor flight item



Z9 motor flight item



Fairing flight item

April 2022

Vega C MF

Ariane 6 preparations



ELA launch zone completed



Upper stage test engine



Ariane 6 fairing

Jun-Sep 2022

Ariane 6 MF



Vulcain 2.1 firing test

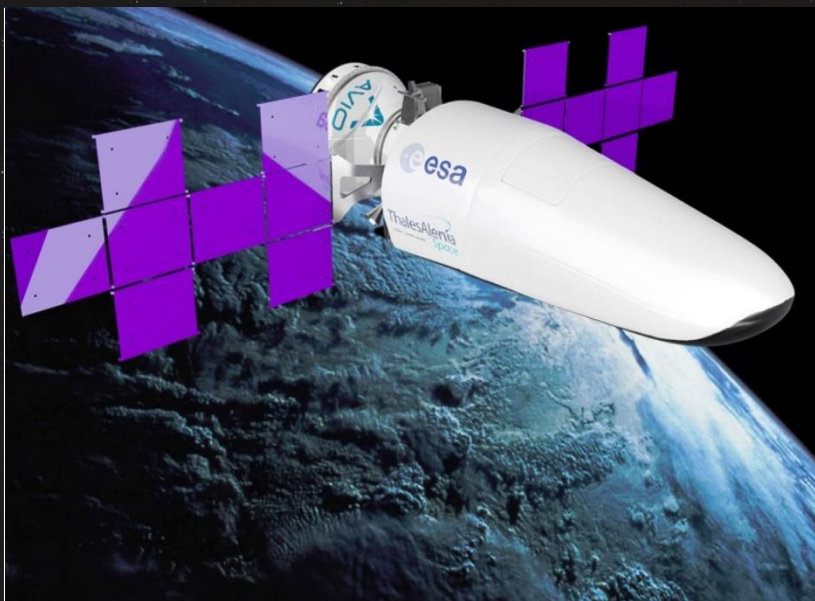


Vinci firing test

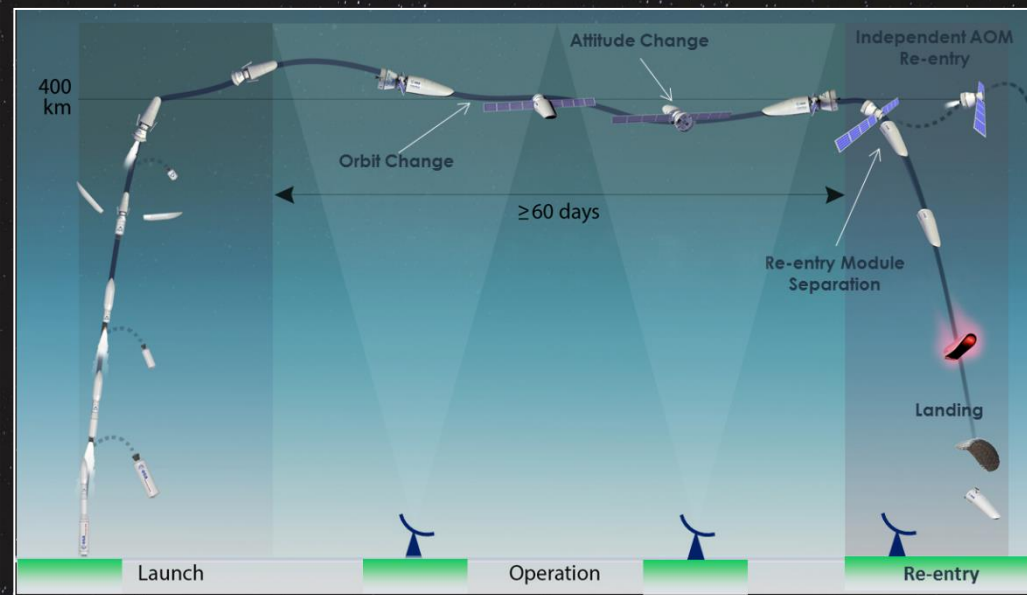
Space Rider: expanding Vega capabilities to in-orbit operations and re-entry



Space Rider Configuration



Typical Mission Profile

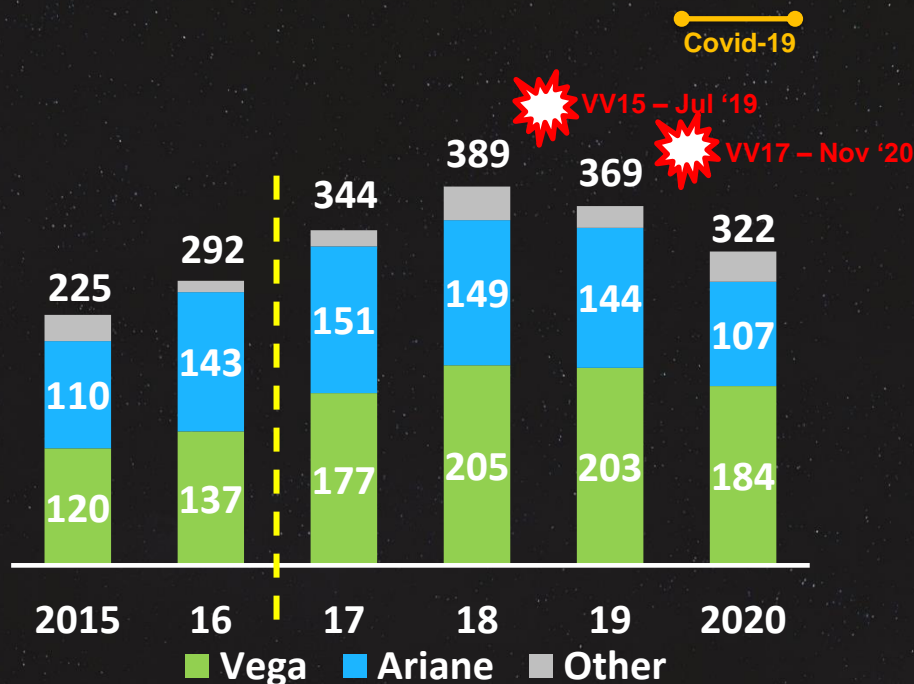


- Launched on Vega-C and powered by Vega C upper stage
- Reusable orbital space laboratory for Earth Observation, Science, Robotics (800 kg payload)
- Re-enters atmosphere and lands on an airstrip

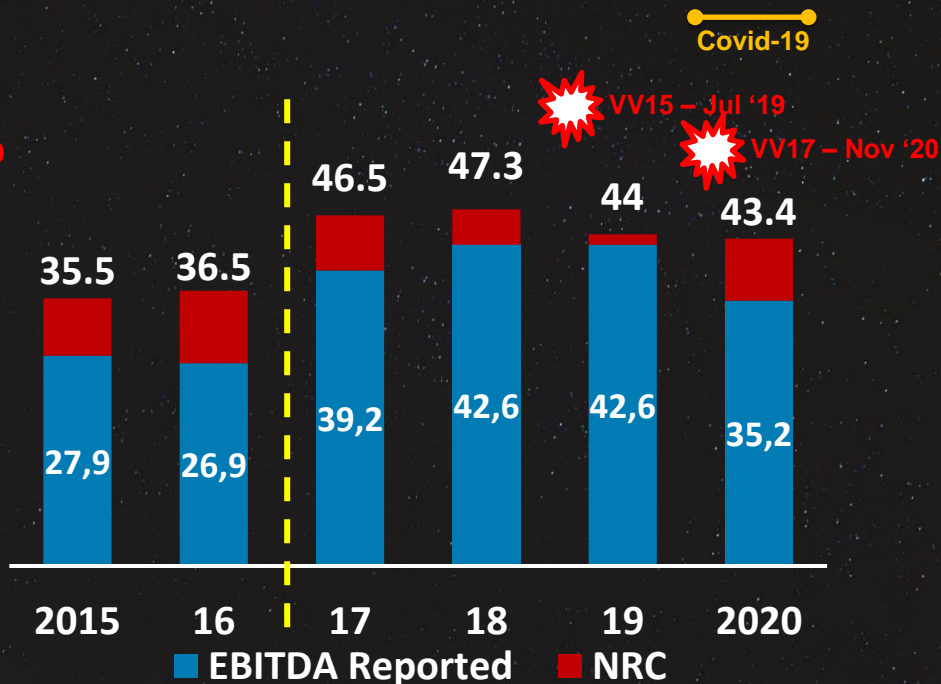
Revenues and EBITDA historical trend



Revenues (€ M)



EBITDA Reported and Adjusted (€ M)

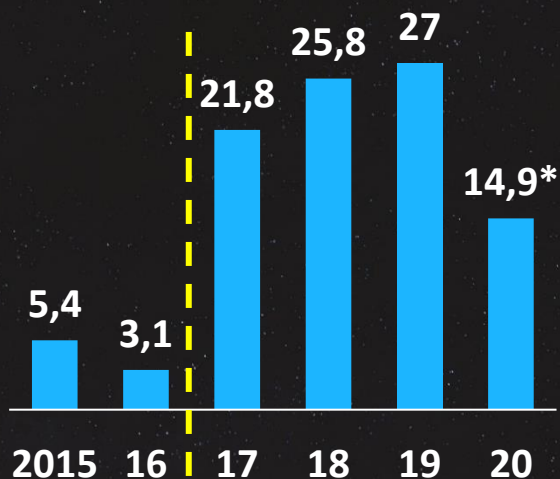


⋮ = IPO

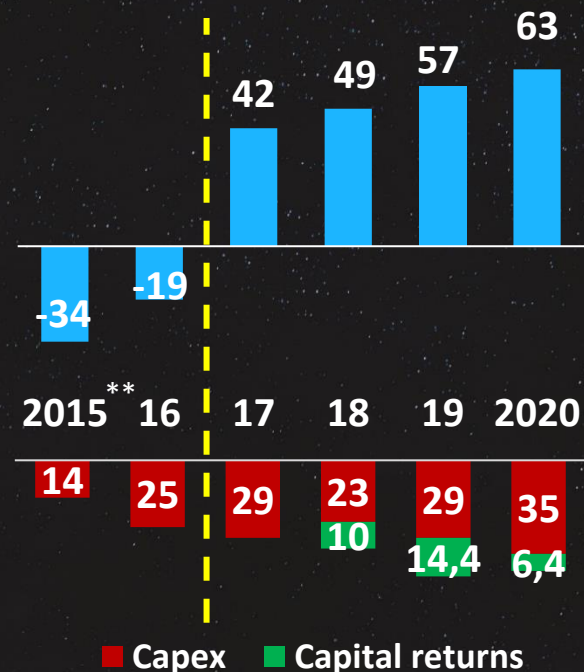
Earnings and Cash historical trend



Net Income (€ - M)



Net Cash Position (€ - M)



! = IPO



THANK YOU

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