





€390M

Revenues 2018

1000 Employees €330M

Mkt Cap 65% free float



Prime Contractor



Partner Supplier











Colleferro, Rome (GMT +1) N41.727 E13.003

The company's headquarters and production plants of solid and liquid propellant motors for launch vehicles. In Colleferro, Avio also carries out the development of the new launchers, Vega C and other evolutions.







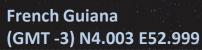
Paris (GMT +2) N48.856 E2.351

Headquarters of Europropulsion (50% Avio and 50% AG), main contractor of the solid-propellant motors for Ariane 5 and Ariane 6.



Turin (GMT +1) N45.067 E7.682

Avio designs and produces the liquid oxygen turbopump for the Vulcain and Vinci engines for Ariane 5 and Ariane 6.

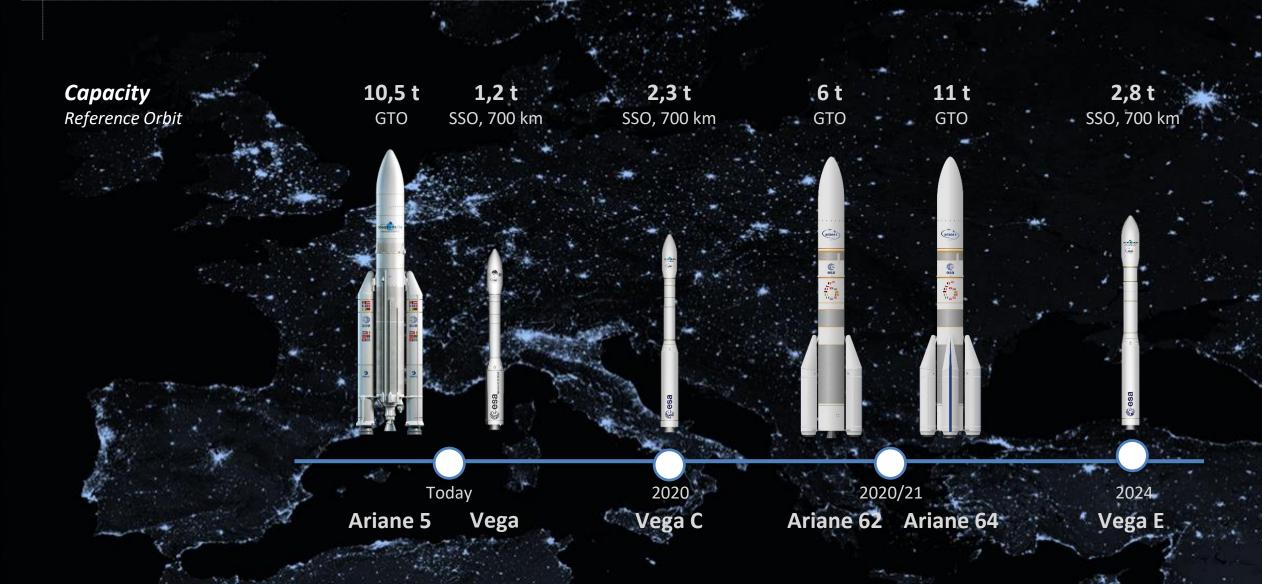


Avio runs three facilities at the European Spaceport located in Kourou, French Guiana: (i) REGULUS for Ariane 5 segments, Vega P80 and P120C propellant manufacturing and cast, (ii) EUROPROPULSION for Ariane 5 boosters final integration and (iii) the Vega Launch Zone, where the Vega stages' integration takes place before launch.



Carbon fiber impregnation facility.

The European fleet



Avio's Services and Solutions

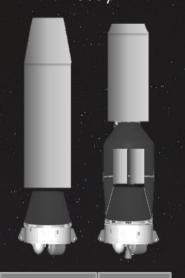




Single & Dual conf. 1200 kg



Today



937/1194

VESPA

Single / Dual

UNDER DEVELOPMENT

1-2 t class Up to 120 kg (6x)

Any aggregate 1 to 400 kg

Any aggregate Up to 800 kg

Payload. > 300 kg



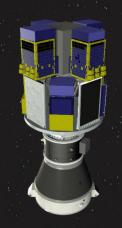
2020

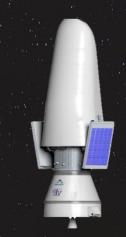




2024









Vampire

Piggyback

SSMS

Space Rider

VIS

Rideshare & Re-entry

Debris Removal, IOS

Any Sats, any orbits, any missions, any services

The VIS (Vega In-Orbit-Service) for Debris Removal





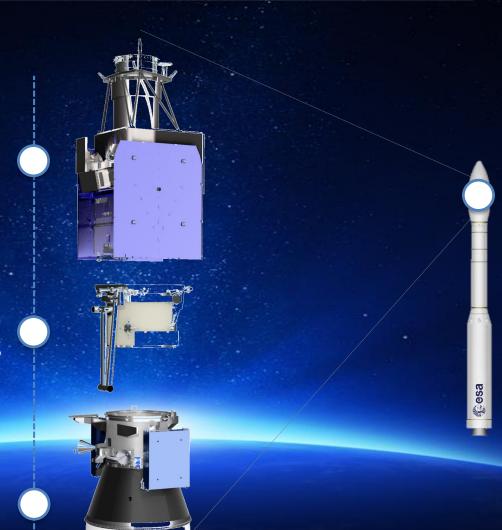
Released before Debris Removal



Equipment for Rendezvous and Capture

Avum Orbital Module (AOM)

Provides Propulsion, Power, Avionics



Vega C
Launch System

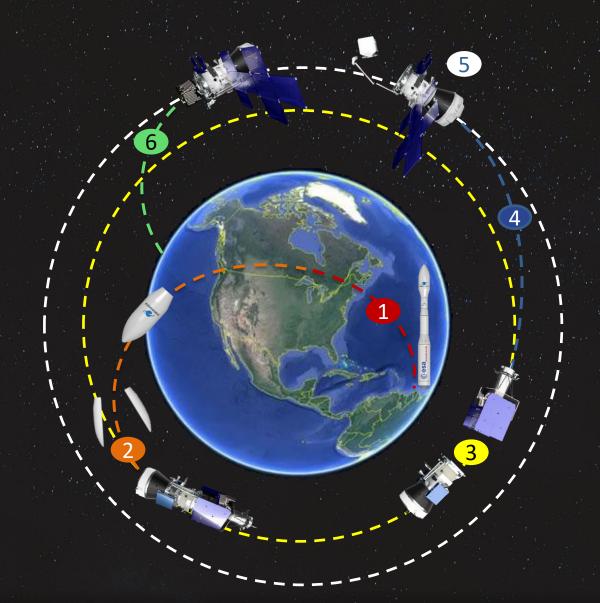


Let's clean up the space junk around the Earth....

The Mission Profile



- 1 VEGA C launch
- VIS orbit insertion
- 3 Payload release
- 4 Rendez-vous with target debris
- 5 Debris capture
- 6 De-orbit maneuver



How it works



SM

Equipment for RDV and capture: robotic arm and clamping mechanism, fine thrusters and proximity sensors, GNC

AOM

Made up of the AVUM providing propulsion, an 1194 Adapter to accommodate the SM and the ALEK providing Power and Avionics



able to clean up the space junk in LEO

The Industrial Team



Service Module (SM)







Ground Operations





An international Project and Team

Avum Orbital Module (AOM)





