ALTEC S.p.A.
Aerospace Logistics Technology Engineering Company

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About Us

ALTEC is a public-private company owned by **Thales Alenia Space**, one of the most important European space industry players, and the **Italian Space Agency - ASI**

ALTEC – Aerospace Logistics Technology Engineering Company – is the Italian center of excellence for the provision of engineering and logistics services to support operations and utilization of the International Space Station and the development and implementation of planetary exploration missions.

ALTEC headquarters are based in Turin, Italy, its branch office is located in Cologne, Germany, with activities at ESA and DLR, and has liaison offices at NASA.

ALTEC activities in a nutshell

- Human Spaceflight: Internal Space Station and beyond
  - Advanced engineering, logistics, training and operations services for the national (PMM) and European (Columbus) modules
  - Support to experiment development and operation on ISS
  - Participation in the new Moon projects studies

- Robotic Exploration and Ground Segment:
  - Rover Operation Control Center for the ExoMars Rover (2022) and subsequent Sample Fetch Rover of Mars Sample Return Mission
  - Space Rider P/L Control Center and Landing Control Center of the re-usable module
  - Advanced systems for mission operations
  - Participation in ground segment studies for Moon Systems

- Advanced Data Processing
  - Data Processing Center of the two "Big Data" European Scientific Mission: GAIA and Euclid
  - Data processing center for solar experiments (METIS on Solar Orbiter) and Space Weather
  - Advanced systems for big data analysis, machine and deep learning application on space domain

Human Spaceflight: from ISS to Moon

Sustaining Engineering Services to PMM (ASI)

Training, Logistics and Operation Support Services for Columbus (ESA)

Col-CC Flight Control Team (ESA)

ISS Experiment Development and Operations Support (ASI)

Moon Studies (ASI)

Robotic Exploration and Ground Segment

ExoMars 2020
Rover Operations
Control Center
(ESA)

Mars Sample
Return

Sample Fetch Rover
Control Center
(ESA)

Space Rider
P/L Ground Control
Center and
Landing Control
Center (ESA)

Advanced Systems
for Operations
(ESA)

Cis-Lunar Transfer
Vehicle Study
(ESA)

Lunar
Communication and
Navigation System
(LCNS) Study (ESA)

Advanced Data Processing

GAIA DPCT
Data Processing
Center Torino
(ASI)

EUCLID I-SDC
Italian Science
Data Center
(ASI)

METIS
Operations
Facility
(ASI)

Space
Weather
Tools
(ESA)

AI/ML FOR SYS & S/S
MODEL FROM AIT/AIV
TO OPS
(ESA)

GNSS Machine
Learning
Demonstrator
(ESA)