



Argonaut LDE Lunar Descent Element Supplier Industry Day

6th March 2025
ALTEC Headquarter - Torino



The present announcement is published in ESA Star on behalf and with the authorization of Thales Alenia Space Italia, for visibility purposes.

Thales Alenia Space is pleased to invite Companies belonging to the Member States participating in the HRE Program of the European Space Agency to the:

Argonaut Lunar Descent Element (LDE) Supplier Industry Day

that will take place on

March 6th 2025, 08:30am

at

ALTEC Headquarters – Auditorium Room
Corso Marche 79, 10146 Torino - Italy

The event foresees the participation of

The European Space Agency
Thales Alenia Space Italia
Thales Alenia Space France
Thales Alenia Space UK
OHB Germany

Background

Argonaut (previously named EL3, European Large Logistics Lander), is one of the keystones of the “Terrae Novae” exploration capabilities presented at Council Meeting 2022. Argonaut aims at enabling a substantial and sustained European presence on the surface of the Moon ensuring Europe remains a key player in space exploration.

Argonaut aims at providing an autonomous European capability for regular large robotic surface missions for an extended duration. This provides the possibility to conduct independent missions if required as well as being a significant and visible contribution to the international sustainable exploration of the lunar surface.

Foreword

The purpose of the event is to provide up-to-date information about the Project status and short term key events, the programmatic and technological challenges as well as an overview of Complementary Activities that will be subject to tender actions, of the procurement policy and of the ITTs issue planning.

The Industry Day is organized by a morning session dedicated to the presentation of the program and of the envisaged procurements and an afternoon session for F2F meetings with TAS-I, TAS-F, TAS-UK and OHB representatives.

Agenda

ALTEC gate

08:30 Visitors entrance

Auditorium Room

09.00 Welcome
 09.20 Argonaut LDE Program Overview - ESA
 09.40 Argonaut LDE Program Status, industrial organization and planning – TAS-Italy
 10.00 Argonaut LDE Structure, Thermal System, AIT, Software – TAS-Italy
 10.30 Argonaut LDE Propulsion and Fluidic Systems – TAS UK
 10.50 Argonaut LDE Data Handling System – TAS France
11.15 Coffee Break
 11.30 Argonaut LDE GNC , Power and Communication – OHB Germany
 12.30 Argonaut procurement process, Geo-return targets and timeline – TAS-Italy
 13.00 Questions & Answers
 13.20 Conclusions

Sala Mars Room

13.30 Lunch

Museum Room

15.00 Start of Splinter Sessions (F2F)
 19.00 End of the day

Non-exhaustive list of Procurements

TAS-I	TAS-F	TAS-UK	OHB
Structure/Mechanisms	On Board Computer	Pressure Regulator Sys.	S-/X-Band Deep Space Transponder (X/S DST)
Harness	Remote Terminal Unit	RCS Thrusters	X-Band Travelling Wave-Tube Amplifier (X-TWTA)
Landing Legs	Video Monit. Cameras	Propellant/He Tanks	X-Band Low-Gain Antenna (X-LGA)
Thermal Control System		Fluidic Equipment	S-band Solid State Power Amplifier (S-SSPA)
GSE			S-Band Low-Gain Antenna (S-LGA)
Application SW/ISVV/SVF			S-Band Medium Gain Antenna Assembly (S-MGAA)
LCA			Coarse Sun Sensor
RPS Transportation			Inertial Monitoring Unit
Field Test/Test Facilities			Star Tracker Sensors
			Side & Bottom Camera
			Lidar
			PCDU
			Battery
			E-pump Switch Box
			Solar Array Assembly

In view of Geo-return requirements for the present activity the procurement will be open to competition to following ESA Member States participating to the European Exploration Envelope Programme (“E3P”): Belgium, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, Italy, Luxemburg, Norway, Poland, Portugal, Romania, Slovenia, Spain, Sweden, Switzerland, United Kingdom, Canada.

For Austrian entities interested in the present procurement at any level please contact Argonaut Procurement Manager Mr. A. Vigna (see below) before registering.

Registration

All participants are kindly requested to complete the attached registration form and to send it by email to the following address: alessandro.demasi@thalesalieniaspace.com

The deadline for notifying your participation is **February 24th 2025 at 12am CET**

Argonaut Industry Day - Point of contact (PoC) for any request of clarification:

- Mr. Alessandro De Masi (TAS-I)
- alessandro.demasi@thalesalieniaspace.com
- mobile phone number: +393240017581 (reachable Monday through Friday, 9:00am-4:00pm)

In e-mail communications please include in copy the Argonaut Procurement Manager:

- Mr. Antonio Vigna (TAS-I)
- antonio.vigna@thalesalieniaspace.com

Please note that physical participation to the industry day is limited to **125 participants**.

In order to guarantee the involvement of all interested companies a maximum attendance of 1 participant for each industrial entity is granted. Requests for a 2nd participant shall be submitted (note: subject to TAS confirmation by February 26th 2025).

For those who cannot physically attend, or in case the received participation requests would exceed the limit identified above, the Industry Day plenary session (morning) can be remotely followed (further details/link will be communicated by e-mail).

Companies interested in remote attendance are requested to select such an option in the Registration form.

Note: no remote attendance is envisaged in the afternoon splinter meetings.

Data protection

Please note that personal data will be handled and processed, where applicable, in accordance with the Regulation (EU) 2016/679 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data ("GDPR") as well as all applicable national Personal Data Protection Laws and Regulations adopted to implement the GDPR.

In any case, you have the right to access your personal data and to request that your personal data be rectified or deleted. You are also entitled to object to the processing of your personal data or to request restriction in relation thereof.

Any request or clarification shall be sent by email to the following address:

GDPR-TASI@thalesalieniaspace.com

You can also contact our Data Protection Officer by sending an email to the following address:

dataprotection@thalesgroup.com

In any case, you also have the right to lodge a complaint with the competent data protection Authority.

REGISTRATION FORM

To be completed and returned by e-mail to: alessandro.demasi@thalesaleniaspace.com

Participation type:

- In-person (all day): attendance to conferences and possibility to have bilateral meetings (F2F)
- Remote (morning conferences): listening mode only

Company details:

Company Name:
 Company address:
 Country
 Website:.....
 Email:

SME : YES NO

Company activities:

Main activity:

 Space projects heritage:

 Area(s) of interest in the Argonaut Program

In-person participation to the event:

1st Attendance (granted)

Name and Surname:
 Position:
 Passport references
 E-mail address:
 Phone: +.....

2nd Attendance (to be confirmed)

Name and Surname:
 Position:
 Passport references
 E-mail address:
 Phone: +.....

Interest in dedicated meetings with (*):

Thales Alenia Space - Italy:

- Thermal Control System
- Structure and Mechanical Equipment
- AIT
- Software

Thales Alenia Space - UK

- Fluidic Components
- Main Propulsion Equipment (Tanks, Regulator, Thrusters)

Thales Alenia Space - France

- Data Handling Systems

OHB – Germany

- GNC
- TT&C
- EPS

(*) due to time limitation, meeting(s) cannot be granted; a confirmation will only be communicated before starting the event. A maximum of 1+1 attendance per Company can be requested.