



# EARS

EUROPEAN  
ADVANCED  
REUSABLE SATELLITE

**We want to introduce the disruptive concept of "re-usability" in the small satellite segment for a greener and sustainable Europe**

[www.earsproject.eu](http://www.earsproject.eu)





## PROJECT

In the EARS project, we design a reusable small satellite and develop the related critical technologies.

The reusable spacecraft is intended to de-orbit in a controlled manoeuvre to deliver its products and results back to the Earth after several months in orbit, thereby enabling innovative research that would benefit from the space environment, especially from microgravity conditions.

The long-term vision of the EARS project is a family of small satellite platforms that can be launched and reused frequently at a very competitive price without polluting the environment and wasting resources, both in space and on Earth.



Credits: © Kongsberg NanoAvionics

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## CONSORTIUM



CONSIGLIO  
NAZIONALE DELLE RICERCHE  
Istituto di Fisica Applicata  
"Nello Carrara" (CNR-IFAC)  
Italy - (LEAD PARTNER)



TECHNOLOGY FOR PROPULSION  
AND INNOVATION SPA (T4I)  
Italy



UAB "KONGSBERG  
NANOAVIONICS"  
Lithuania



UNIVERSITA' DEGLI STUDI  
DI PADOVA  
UNIVERSITA' DEGLI STUDI DI PADOVA  
(UNIPD)  
Italy



VON KARMAN INSTITUTE FOR  
FLUID DYNAMICS (VKI),  
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DEIMOS ENGINEERING  
AND SYSTEMS SLU  
Spain



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