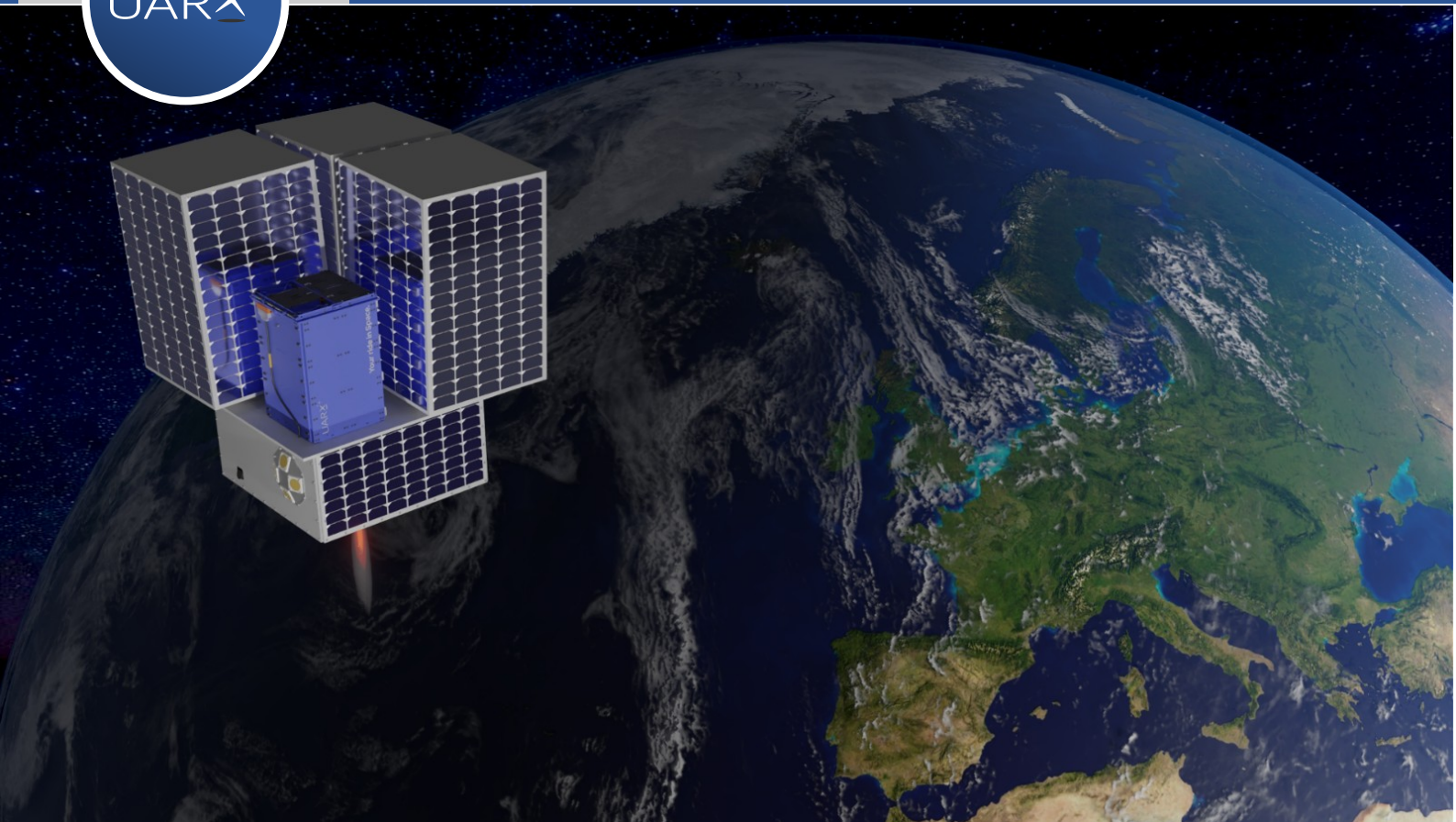




# OSSIE OTV Services

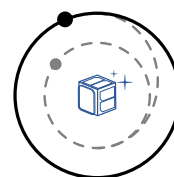
Orbit Solutions to Simplify Injection and Exploration



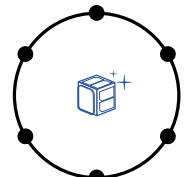
OSSIE, Orbit Solutions to Simplify Injection and Exploration, is an Orbital Transfer Vehicle (OTV) specifically designed to transport small satellites into their required orbit, starting from the drop-off orbit defined by a launch vehicle.

OSSIE is a modular vehicle that allows UARX Space to tailor it according to specific mission requirements. It has highly reliable avionics, highly capable communications and mass storage technologies, and a high-performance green propellant chemical propulsion system.

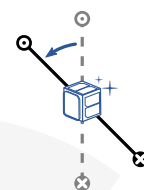
The performance of each vehicle depends on the Payload mass and desired flight plan. Typical customers for LEO are small satellites in the range of 250 grams to 250 kilograms that must arrive at a specific location by raising (or reducing) the initial orbit altitude while precisely changing the inclination to keep the Sun-Synchronous orbit. Other customers require rapidly deploying a constellation within the same orbital plane, equally distancing themselves from one another.



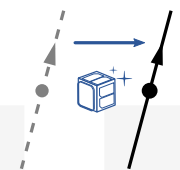
Altitude Change



Phasing



Inclination Change



LTAN Change



Direct Injection

# OSSIE OTV Services

Orbit Solutions to Simplify Injection and Exploration

## Technical Specifications

### Vehicle Details

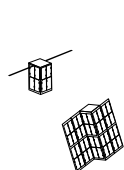
<b>Propulsion Technology</b>	Green Chemical (Nitrous Oxide + Propylene)
<b>Specific Impulse</b>	> 285 seconds
<b>Maximum <math>\Delta V</math></b>	240 m/s for 200kg payload (see Plot for other masses)
<b>Maximum Payload Mass</b>	Mission dependant, based on mission profile
<b>Robustness</b>	Single string with selective redundancy
<b>Intended Orbits</b>	LEO, GTO to GEO, TLI to Lunar

### Allowed Payloads

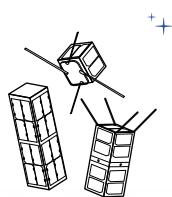
<b>PocketQubes</b>	Using UARX's or third party vendor deployer
<b>CubeSats</b>	From 1/4U to 12U
<b>Small Satellites</b>	Using 8", 15" or 24" rings <sup>1</sup>
<b>Hosted Payloads</b>	Provided with Power and Data services

<sup>1</sup> Custom attachment is also available as a non-standard service.

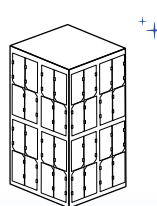
## Allowable Payload Types



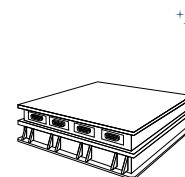
PocketQubes



CubeSats

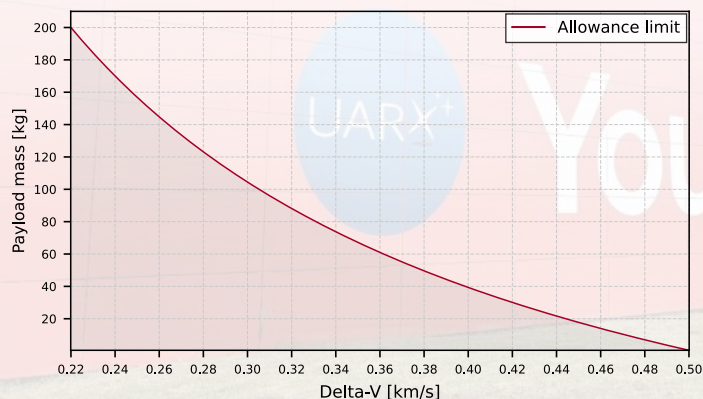


Smallsats



Hosted Payloads

## OSSIE's Delta-V as per payload mass



European Regional  
Development Fund  
A WAY TO MAKE EUROPE.



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