

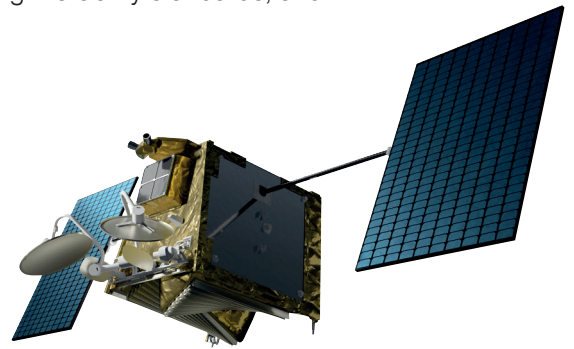


OneWeb programme summary

- Over 900 satellites, 150kg class, to be produced
 - First 12 (2 Qualification Models + 10 Pilots) in France, mass production in the US
- Operational constellation of 648 satellites
- Launch of pilot satellites in 2018
- Satellites designed for 5 years minimum lifetime in LEO orbit

An opportunity for other missions, reusing the OneWeb Arrow Platform

- A unique low-cost solution for this class of platform, maintaining high reliability standards, and fully qualified in the frame of the OneWeb programme
- Compliant with post-mission disposal regulation
- High flexibility in orbital injection / deployment schemes, thanks to high capacity and innovative electric propulsion (up to 700km typical orbit raising capability)
 - Single or multiple satellites orders - Constellations at an affordable cost
- Production lines available in Europe and the US, to adapt to customer needs
- First Platforms for 3rd party applications from mid-2019



Hosting concepts and capabilities for Payloads

- 60-80kg / 200-250W (End Of Life Orbital Average) minimum payload capability
- Single mission or multi-mission concepts, for medium size / small / very small payloads
- With standardized interfaces
- To serve as a technology / service demonstration platform, with multiple packages

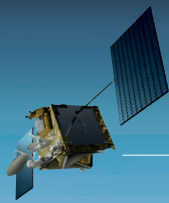
Airbus DS one-stop shop service

- Mission design / customisation
- Satellite delivery in orbit
- Satellite Operations
- Mission Operations

Launch solutions

- Product compatible with dedicated or shared launches, to match customer and mission needs
 - Medium / small / micro launchers being considered
- The micro-launchers under development should bring very flexible solutions
 - For specific needs (e.g. demonstration, validation, replenishment, etc.) - With frequent opportunities, and at short notice (one launch every week)

OneWeb Arrow Platform



Whatever your mission



Potential Mission Orbit	Altitude range		500 - 1500km
	Inclination range		60 - 110deg
Payload accommodation capability	Surface available for internal units (side panels)		Up to 660 x 660mm ² each side
	Earth panel surface available for external or small / low power units		Up to 750 x 850mm ²
	Payload mass		60-80kg
	Power	<i>Peak Power</i>	To be discussed case by case
		<i>OAP (Orbital Average)</i>	200-250W (orbit dependent)
		<i>Voltage</i>	22-37V regulated
Data bus		CAN bus with a customized software layer	
Platform design lifetime			> 5 years