

# Delfi-REAL

## The Return of the Queen

Payload bay doors

Heat shield

Micro Thrusters

Delfi-C3

UHF Antenna

Capture Mechanism

kg 14.5 kg

€ 2 M

242 days

### About Delfi-REAL

On the 28th of April 2008, Delfi-C3 was launched and has been operational ever since. Due to some unexplainable phenomena occurring in the received data, the development team of Delfi-C3 wants their satellite back in Delft for research. For this purpose, the 'The Return of the Queen' mission was established. To fulfil this mission, Delfi-REAL (Re-Entry And Landing) was designed. Delfi-REAL is a cubesat with a system capable of capturing and returning Delfi-C3.

Delfi-REAL is a system largely designed with commercial off-the-shelf components and will be launched in the second half of 2020 as a secondary payload on a launcher. Delfi-REAL will transmit live video, which can be received by radio amateurs all over the world. After a mission time of 8 months, Delfi-REAL will have delivered high quality images and video, and Delfi-C3 will be back home.

