



>PLDSPACE™

PRESS DOSSIER

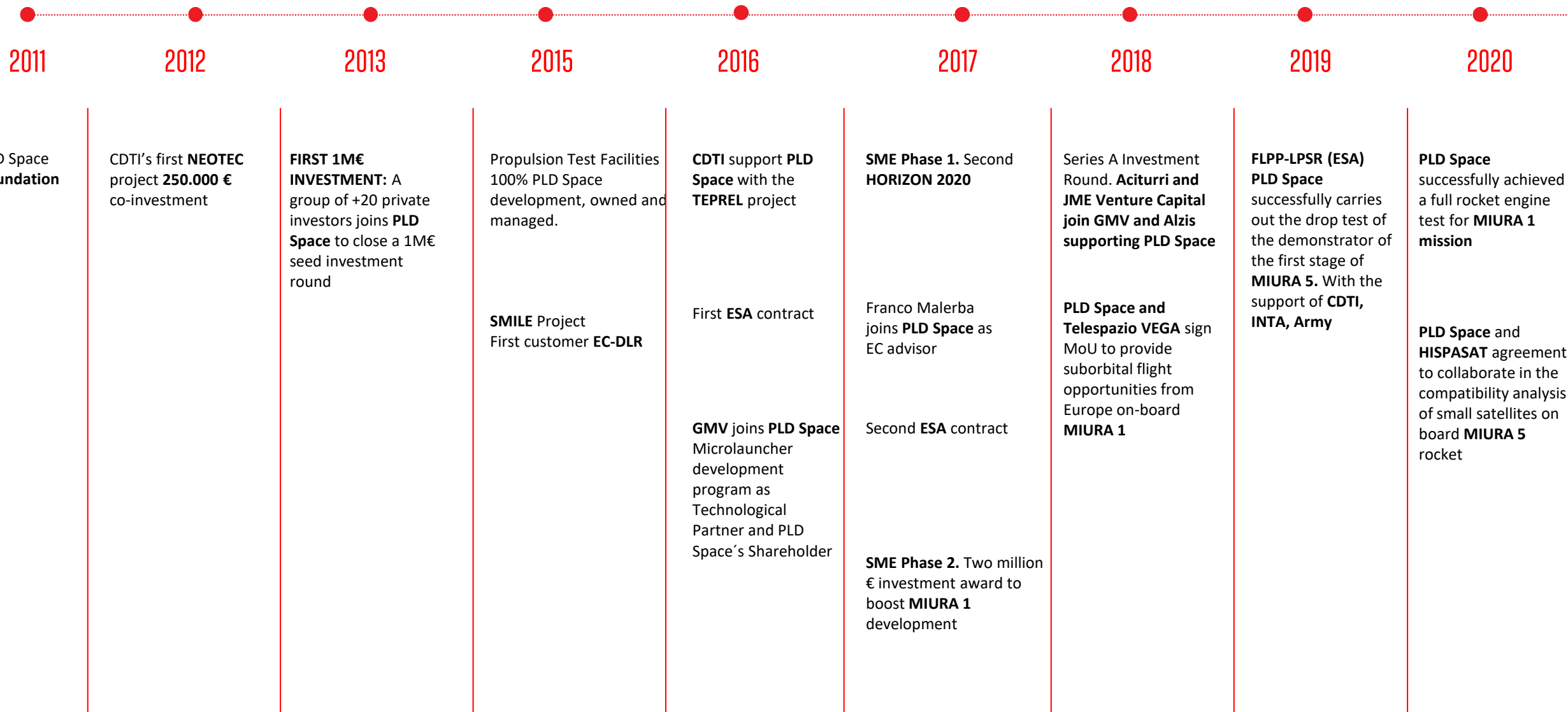
A small satellite is shown in orbit above the Earth's horizon. The satellite has a white cylindrical body with a blue circular feature and a blue rectangular panel. It is positioned in the upper left quadrant of the image. The Earth's horizon is a bright blue curve on the right side, and the background is a dark blue space.

THE ***FIRST EUROPEAN COMPANY***
DEVELOPING A SMALL REUSABLE
LAUNCHER ***DEDICATED TO***
DEMOCRATIZE ACCESS TO SPACE
FOR SMALL SATELLITES

A SMALL *ROCKET* FOR SMALL SATELLITES

La solución pasa por proporcionar un transporte al espacio dedicado para los operadores de pequeños satélites. El satélite pequeño pasaría a ser el **cliente principal**.

Un cohete de pequeñas dimensiones es la manera más eficiente, flexible y efectiva en coste y tiempo para transportar satélites pequeños al espacio.



A RENOWNED COMPANY IN SPACE INDUSTRY

Since 2011, PLD Space has been the European reference for the development of rockets to provide commercial launch services for small satellites.

2011

ESTABLISHMENT

+€32M

FUNDS OBTAINED

6

CONTRACTS WITH
SPACE AGENCIES

+100

ROCKET ENGINE
TESTS PERFORMED

15,000M²

INDUSTRIAL
FACILITIES

3

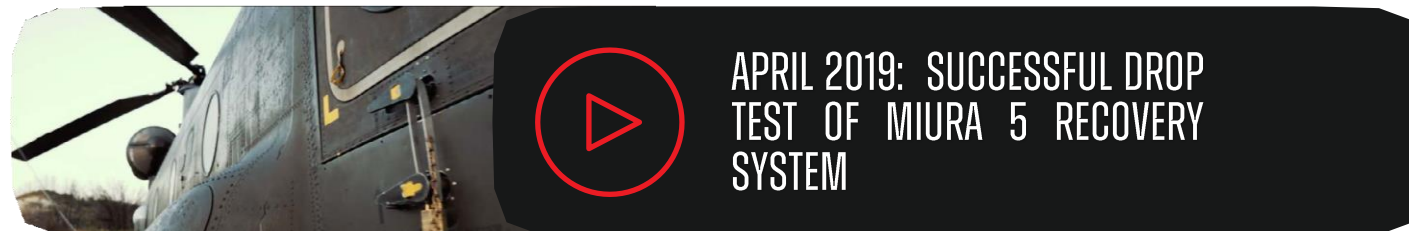
WORK
CENTRES

2

WORLD-CLASS INDUSTRIAL
PARTNERS

+1.000.000

ENGINEERING
HOURS



KEY DATA

TWO PROJECTS:

- > MIURA 1 – Suborbital Launcher & Technology Demonstrator
- > MIURA 5 – Orbital Microlauncher

UBICACIONES

- > Headquarters in Elche (Spain)
- > Propulsion test facilities in Teruel (Spain)
- > Launch Site for MIURA 1 in Huelva (Spain)
- > Launch Site for MIURA 5 in French Guiana



WHERE ARE WE



TERUEL
PROPULSION
TEST



ELCHE
HQ



EL ARENOSILLO
LAUNCH SITE FOR MIURA 1





CENTRE SPATIAL GUYANAIS
MIURA 5 LAUNCH SITE

WHERE ARE WE

PLD SPACE IS *THE COMPANY*
OF SMALL LAUNCHERS MORE
PROMISING IN EUROPE.

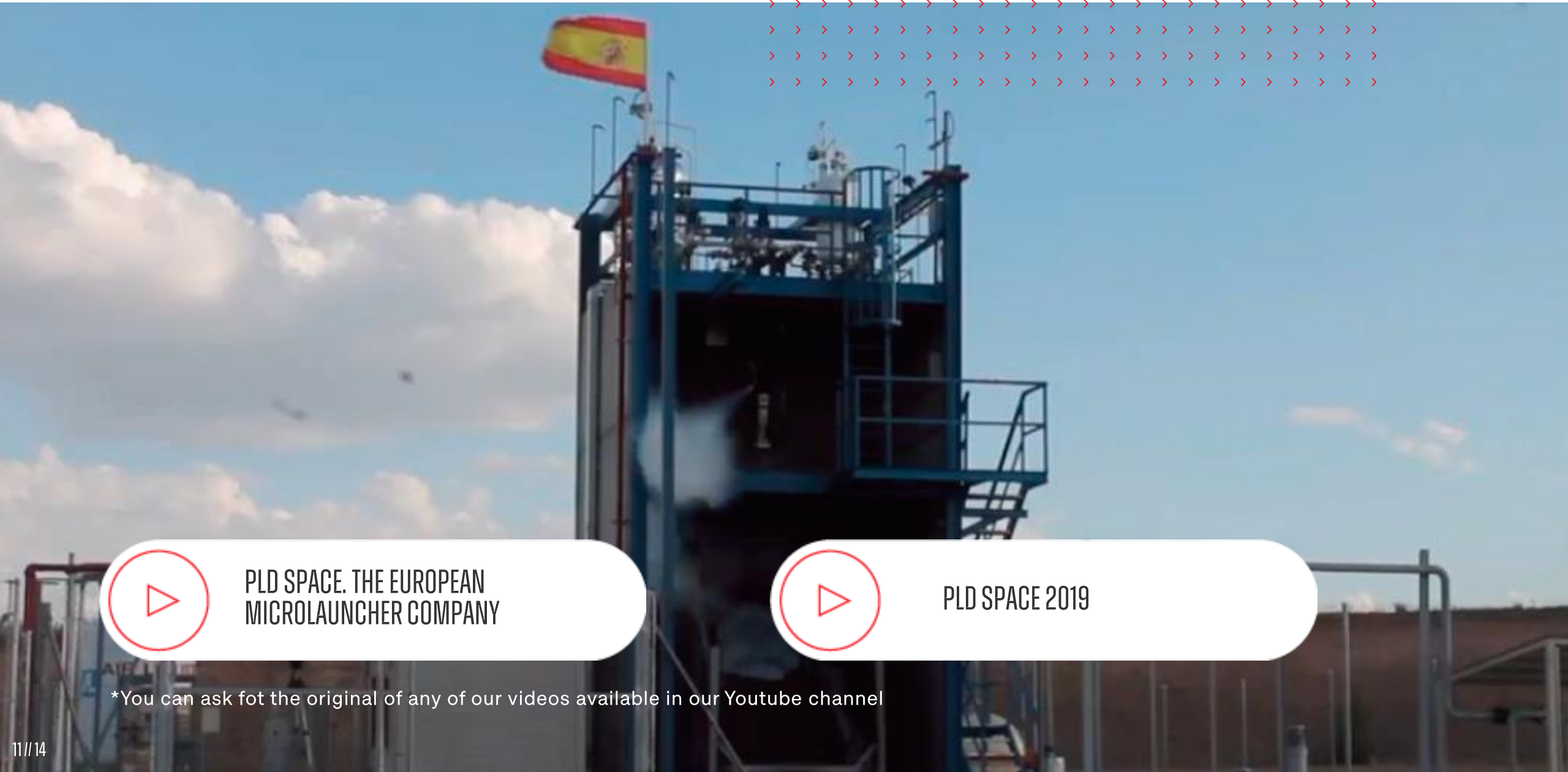
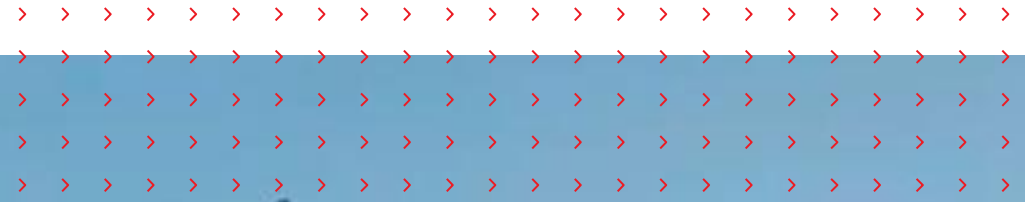





FACILITIES IN *TERUEL*




PROPULSION TEST
BENCH FOR
MIURA 1
QUALIFICATION



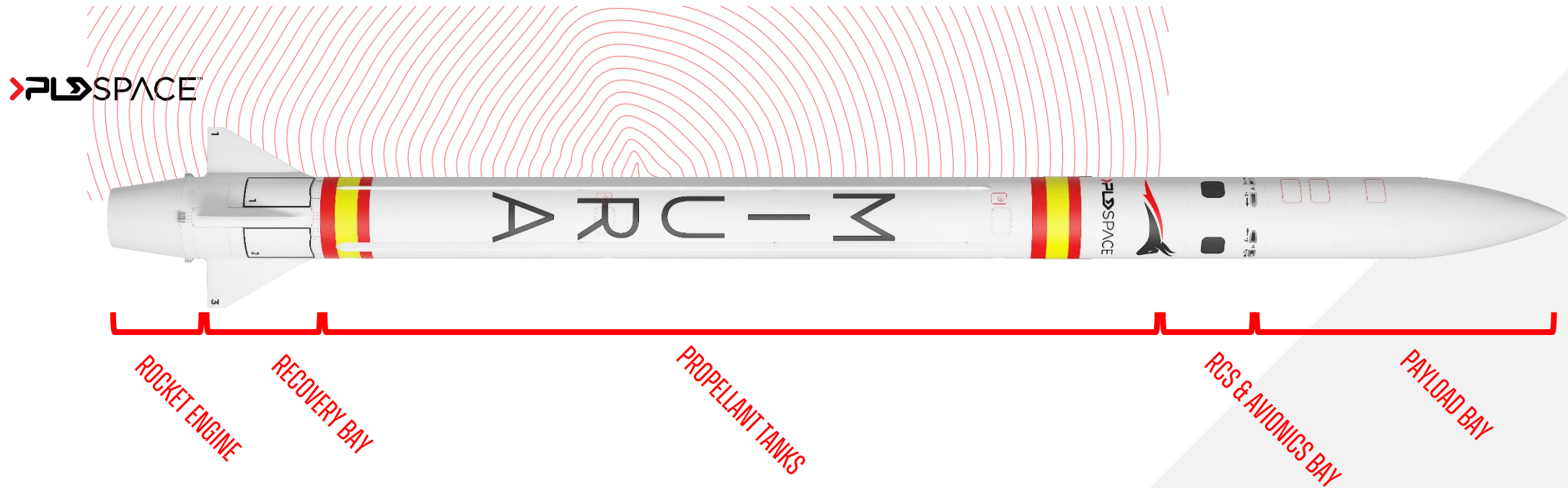


PLD SPACE. THE EUROPEAN
MICROLAUNCHER COMPANY



PLD SPACE 2019

*You can ask for the original of any of our videos available in our Youtube channel



- 1 stage, 1 engine (30 kN thrust; liquid propulsion with Kerosene & LOX; pressure fed cycle, TVC)
- 12.7 m length x 0,7 m diameter
- 100 kg net payload mass (microgravity experimentation and tech. demonstration)
- Fully reusable

SELECTED TECHNOLOGIES

■ PROPULSIÓN

- LOX/Kerosene engines
- Designed to be launched 3 times
- All tests performed at PLD Space facilities (Teruel, Spain)

■ MIURA 5 STRUCTURE

- Primary structure based on MIURA 1 development
- No use of pyrotechnics for the mating or separating stages
- All staging and fairing separation systems are pneumatics
- Fairing is carbon fiber monocoque based

■ RECOVERY SYSTEM

- Under engineering since late 2016
- Based on the FLPP-LPSR Study with ESA
- Real-size mockup drop-test has been executed in April 2019



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