

A satellite with four solar panel arrays is shown in orbit above Earth's cloud-covered surface. One of the satellite's thrusters is firing, creating a bright purple and white plume of exhaust. The background is the deep black of space.

INNOVATION IN SPACE PROPULSION

The logo for MIPRONS is displayed in a white, modern, sans-serif font. The letter 'P' is highlighted in red. The logo is set against a black background that features a faint, white network diagram consisting of several nodes connected by thin lines, suggesting a global or interconnected system.

MIPRONS

THE WORLD IS ENTERING
AN EXCITING NEW SPACE AGE



SPACE INDUSTRY IS
RAPIDLY CHANGING



NEW HUMAN MISSIONS



x 5 SATELLITES
LAUNCHES
IN THE NEXT DECADE

A composite image of Earth from space, showing the planet's horizon and surface. Overlaid on the image is a complex digital network of glowing blue and white nodes connected by thin lines, suggesting a global communication or data network. The background is a deep blue space filled with stars.

SPACE IS BECOMING A SERVICE ECONOMY

FAST AND VERSITILE
ARE THE KEYWORDS

LIMITS

- SLOW SATELLITES MANOUVERS ACCOMPLISHMENT
- IMPOSSIBLE TO BE REAL TIME RESPONSIVE IN CASE OF NECESSITY
- 10-20% SATELLITE LIFETIME UNPRODUCTIVITY

MISSION

DELIVERING

THE TINIEST, MOST POWERFUL & VERSITILE

PROPULSION SYSTEM FOR SATELLITES



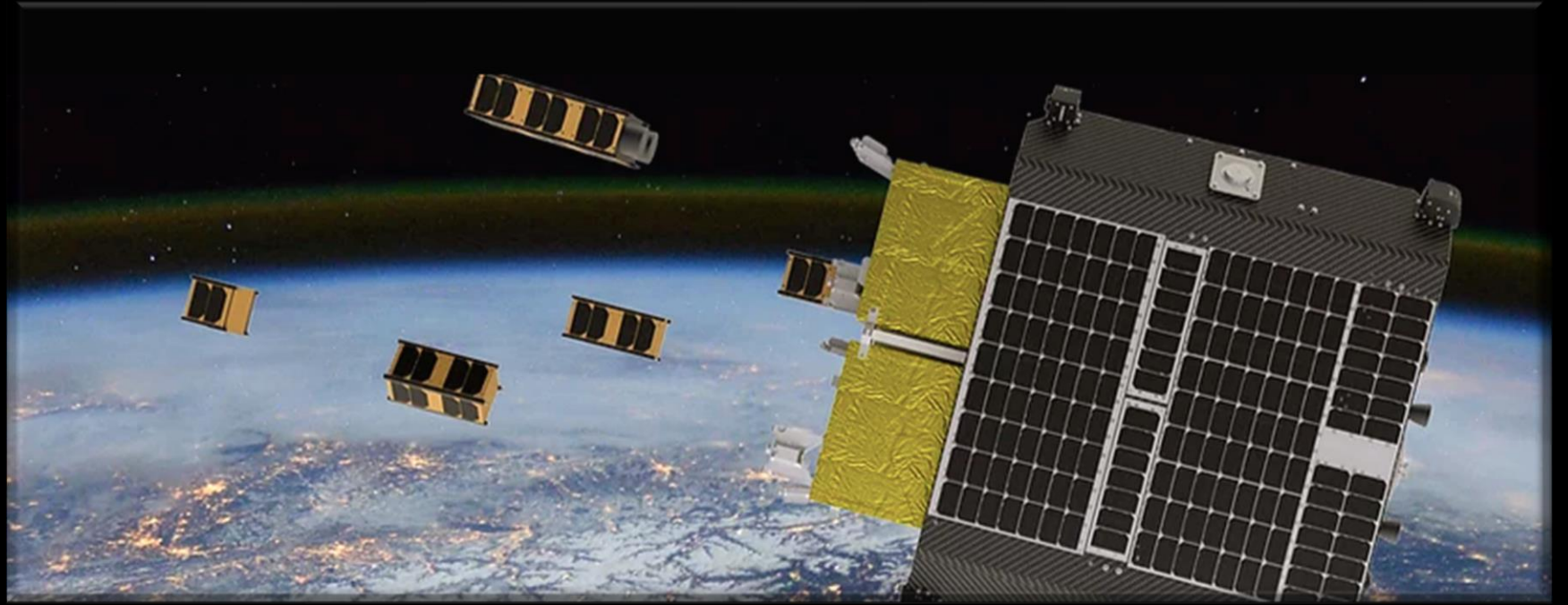
MIPRONS PROPULSION SYSTEM

- TINY, POWERFUL & SCALABLE THRUST CHAMBERS
- LOW & HIGH THRUST MANOUVERS (ATTITUDE & CONTROL + DV)
- GREEN PROPELLANT (WATER, H₂-O₂)
- FITS WITHIN NANOSAT (<0.4U)
- 2 PATENTS

MIPRONS
vs
STATE OF THE ART

- DIMENSIONS: UP TO +10 TIMES SMALLER
- MANOUVERS: UP TO +100 TIMES FASTER
- ECONOMICS: UP TO +100 TIMES HIGHER

APPLICATIONS



CUSTOMERS

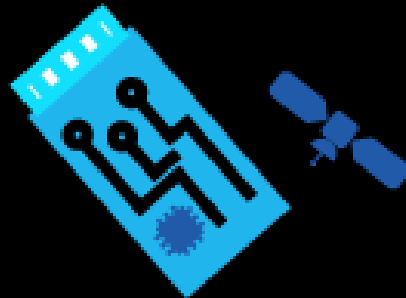
TELCO



REMOTE SENSING
EARTH OBSERV



TECHNOLOGY



SCIENTIFIC



ACHIEVEMENTS

- SET-UP 2019
- RAISED US\$ +1.5M
- INTERNATIONAL INNOVATION PRIZES
- CO-DEVELOPMENT AGREEMENTS UNDER NEGOTIATION
- EoI FOR US\$ > 25M ESTIMATED POTENTIAL CONTRACTS
- 3<TRL<4

OPERATIONAL HEADQUARTERS

COLLEFERRO (ROME-ITALY)

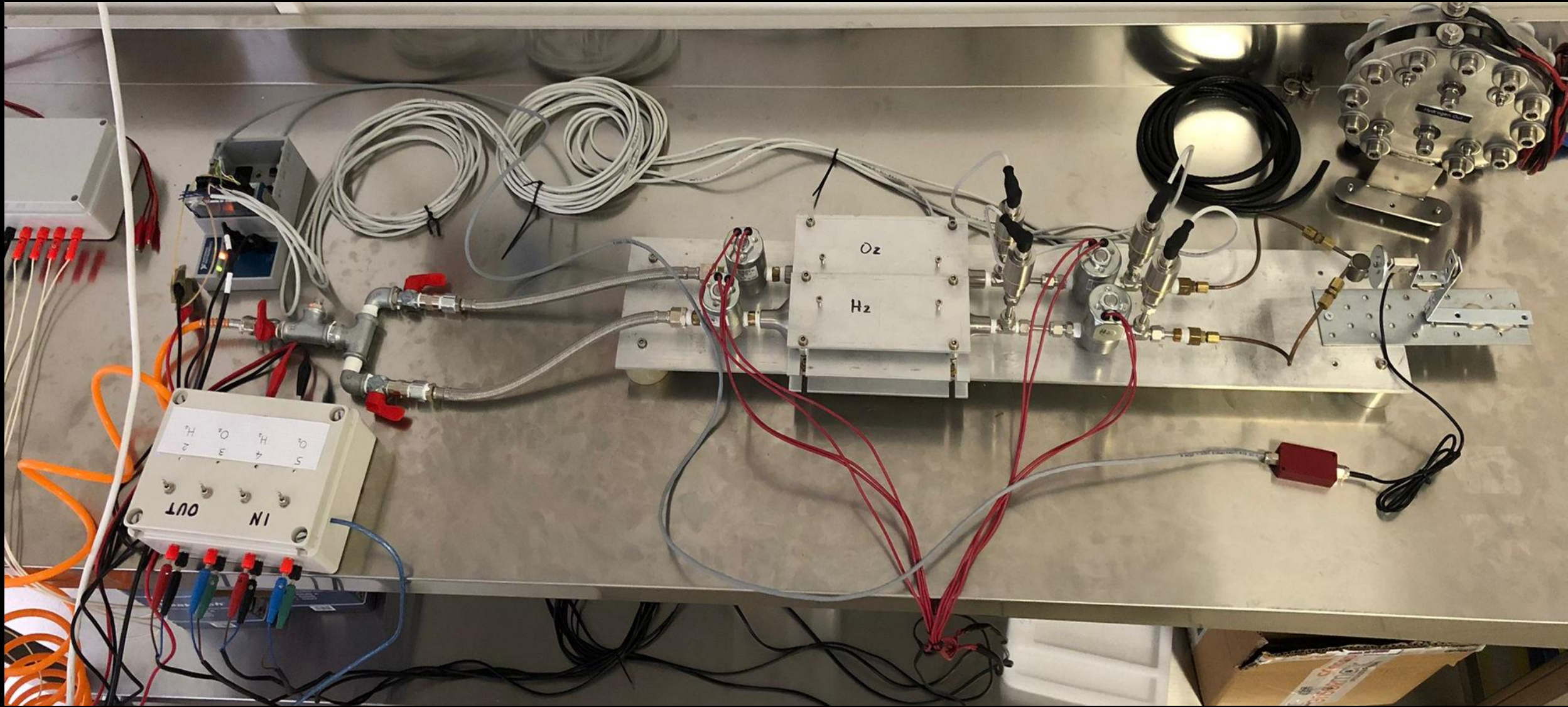


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centre**

Lazio

MIPRONS LAB

H₂-O₂ TEST BENCH



MIPRONS LAB

VACUUM CHAMBER



MIPRONS LAB

SUPERCOMPUTING



PARTNERS



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**REGIONE
LAZIO**



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**MIPRONS srl is participating in the ESA Business Incubation Centre Lazio*

***MIPRONS srl is incubated in Spazio Attivo Colleferro*

CEO & CTO



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Founder & CEO
Ph.D., M.Sc., M.Eng., M.Eng.

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LAURA MARCHI
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M.Pol. Science



MAURIZIO MARCELLI
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ROADMAP



A satellite with four solar panels is shown in space, emitting a purple beam of light. The Earth's horizon is visible in the background.

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The MIPRONS logo is displayed in a stylized font, with the 'R' in red. The background features a network diagram with white dots connected by thin lines.

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