



**CZECH
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*Space Division Projects
Overview*



QUVIK

Quick Ultra-Violet Kilonovea surveyor

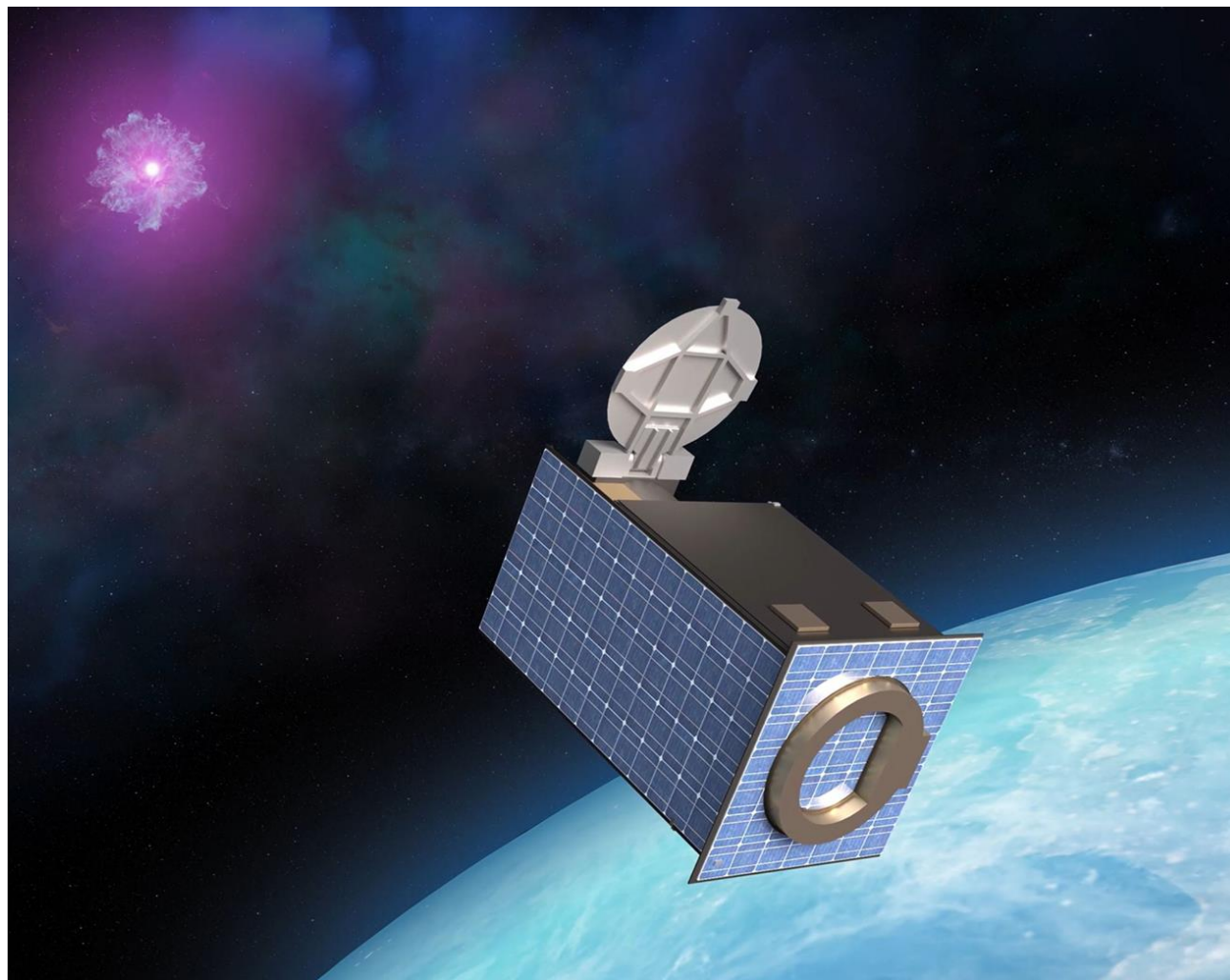
One of two Czech Ambitious Missions

Mass: 130 Kg

Orbit: LEO, SSO, Down/duas orbit orientation

Primary objective:

- Photometry of Kilonovae – resulting from neutron star mergers



QUVIK Science



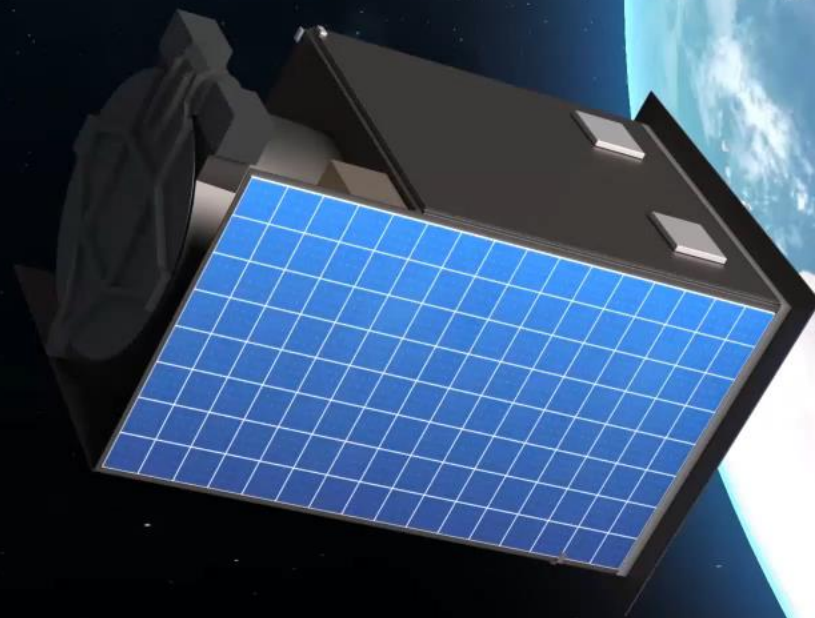
Kilonovae –astronomical event resulting from mergers of two neutron stars or neutron star and a black hole

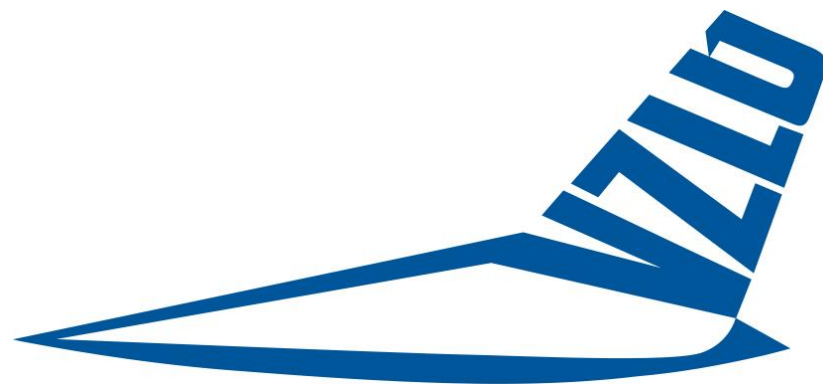
Some of the most violent explosive events in the Universe

Observation of extremely distant events up to 640 mil. LY

Objectives:

- Determine role of kilonovae in the origin of heavy elements
- Study physics under exceptionally extreme conditions
- Study of gamma-ray bursts, supernovae, stellar astronomy, exoplanets, star clusters, supermassive black holes in the centers of galaxies, exceptional potential for unexpected discoveries.





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