

# Strategy AV 21 Space for Mankind



Astronomický ústav  
Akademie věd České republiky



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# Strategy AV 21

## Space for Mankind

- international scientific space missions
- collaboration between institutes of the Czech Academy of Sciences, universities and industry

12 institutes of CAS

12 scientific themes

19 international space missions

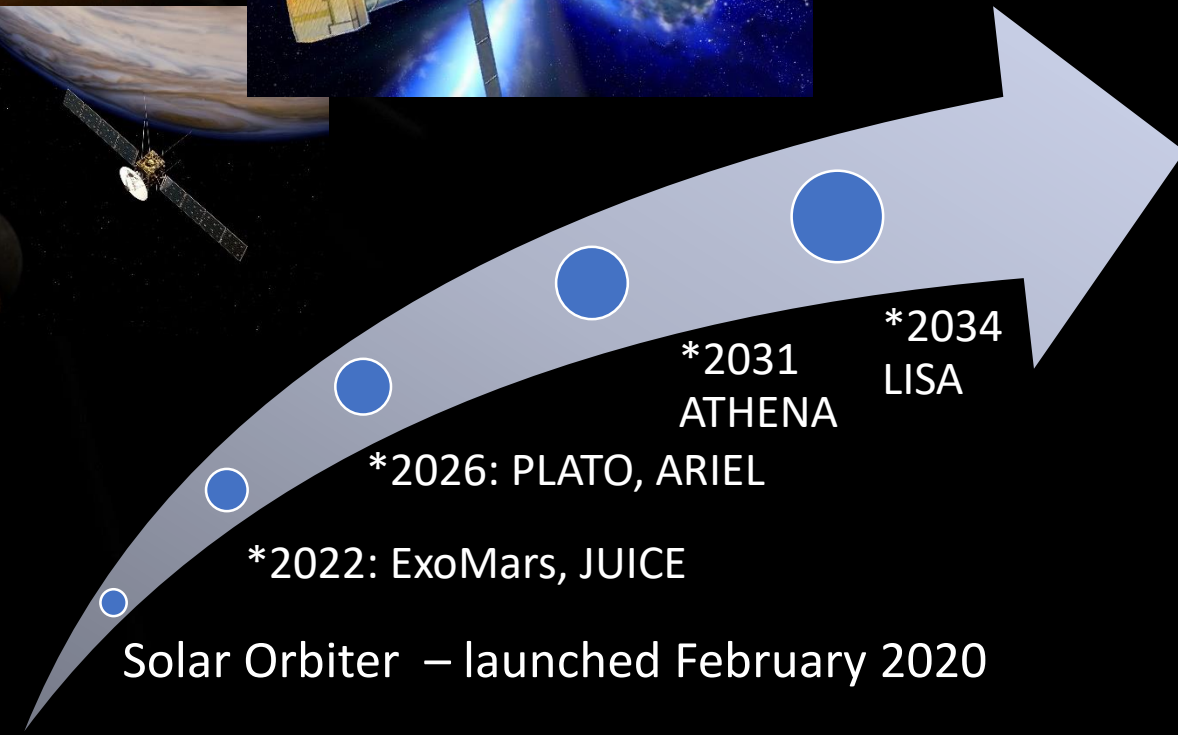
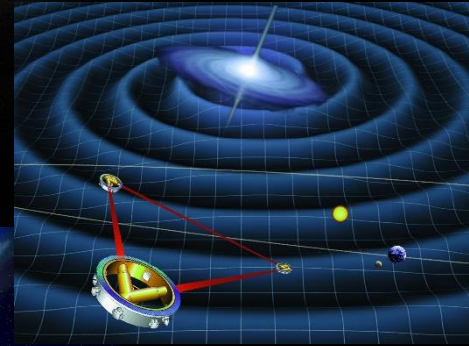
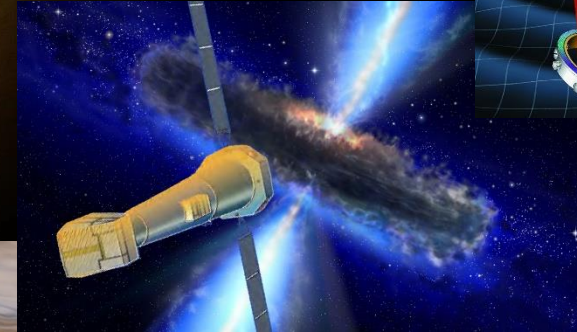
8 new projects in 2019-2021

10+ industrial partners in Czechia

# Strategy AV 21

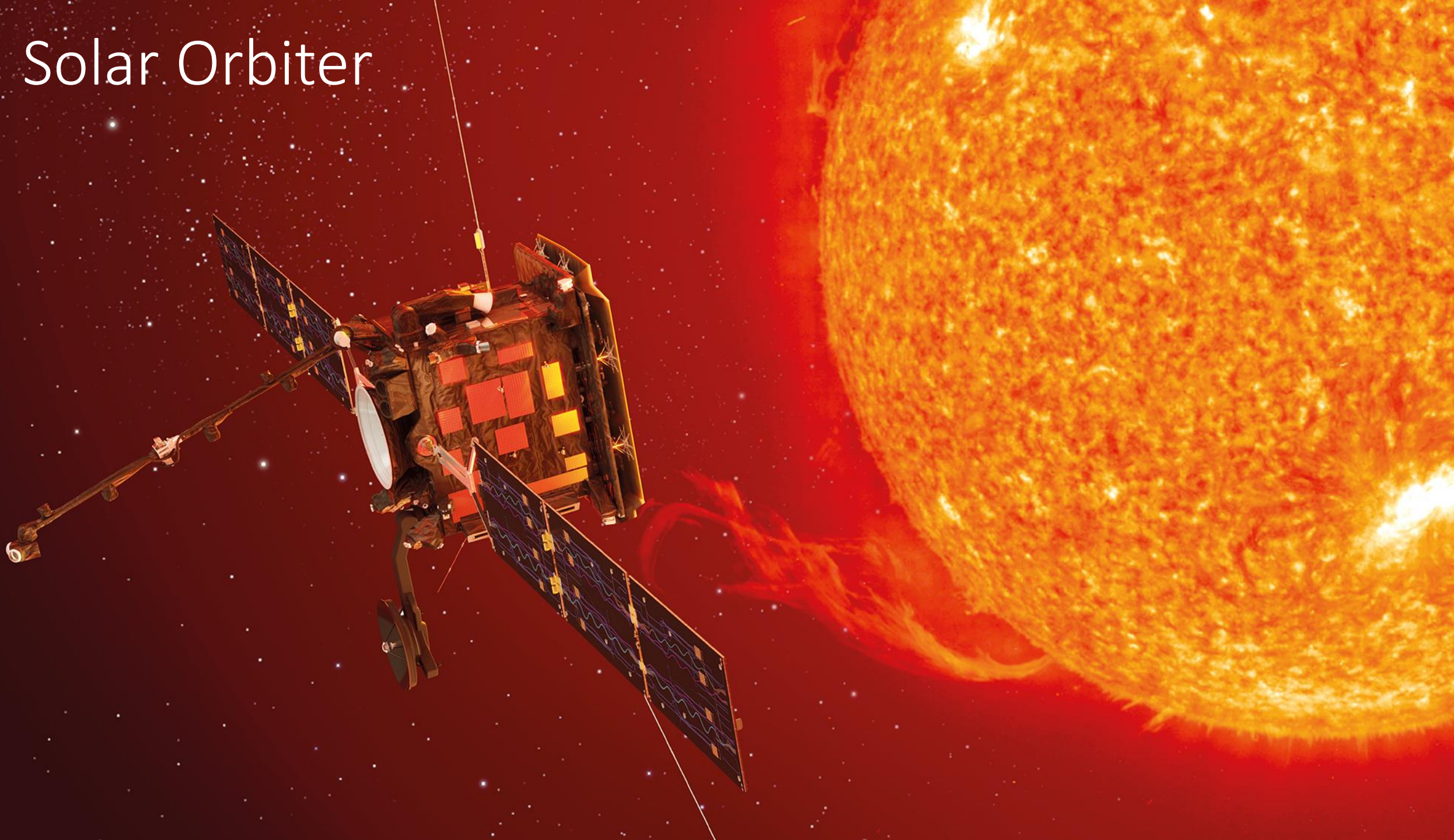
## Space for Mankind

- international scientific space missions





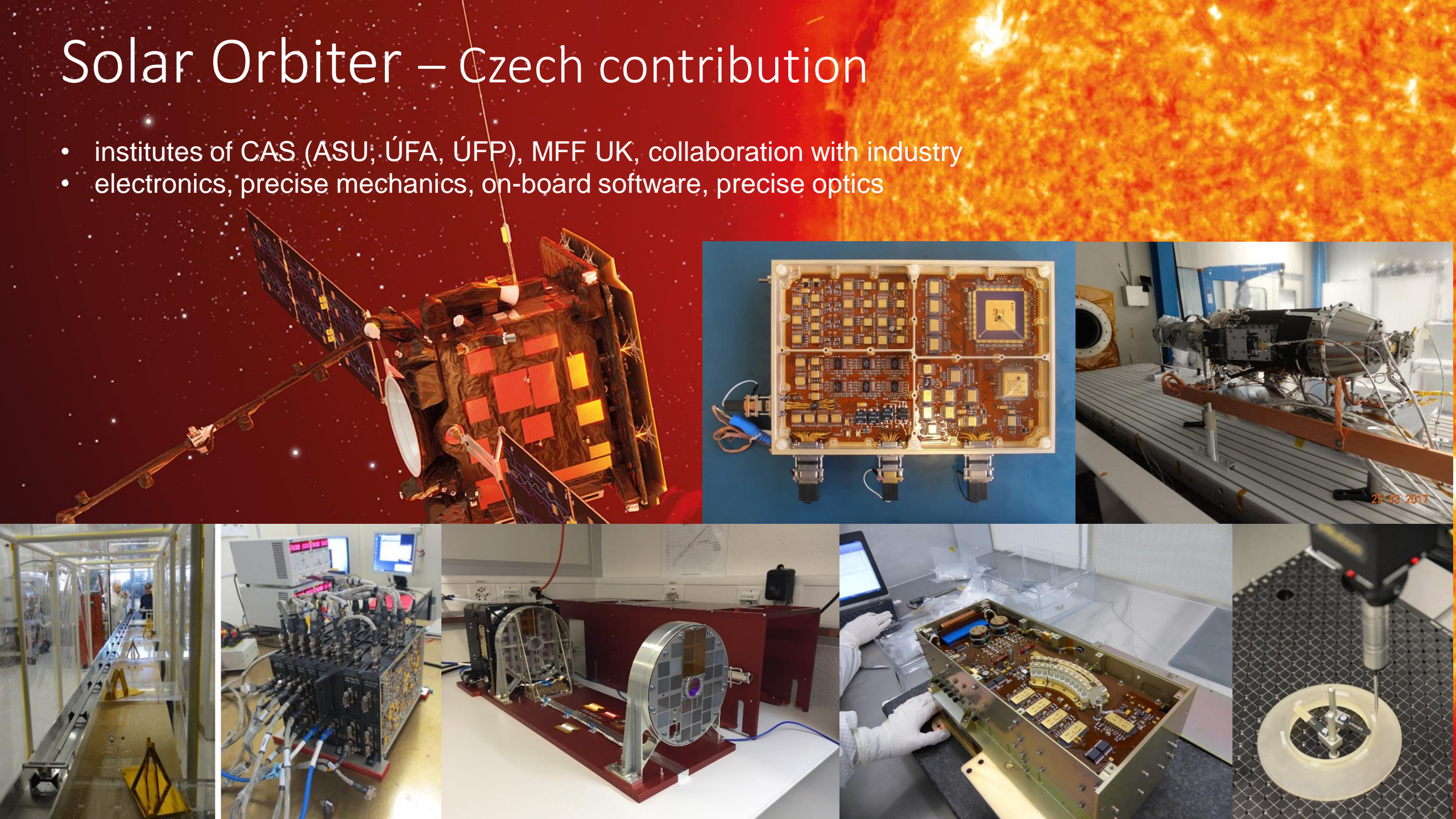
# Solar Orbiter





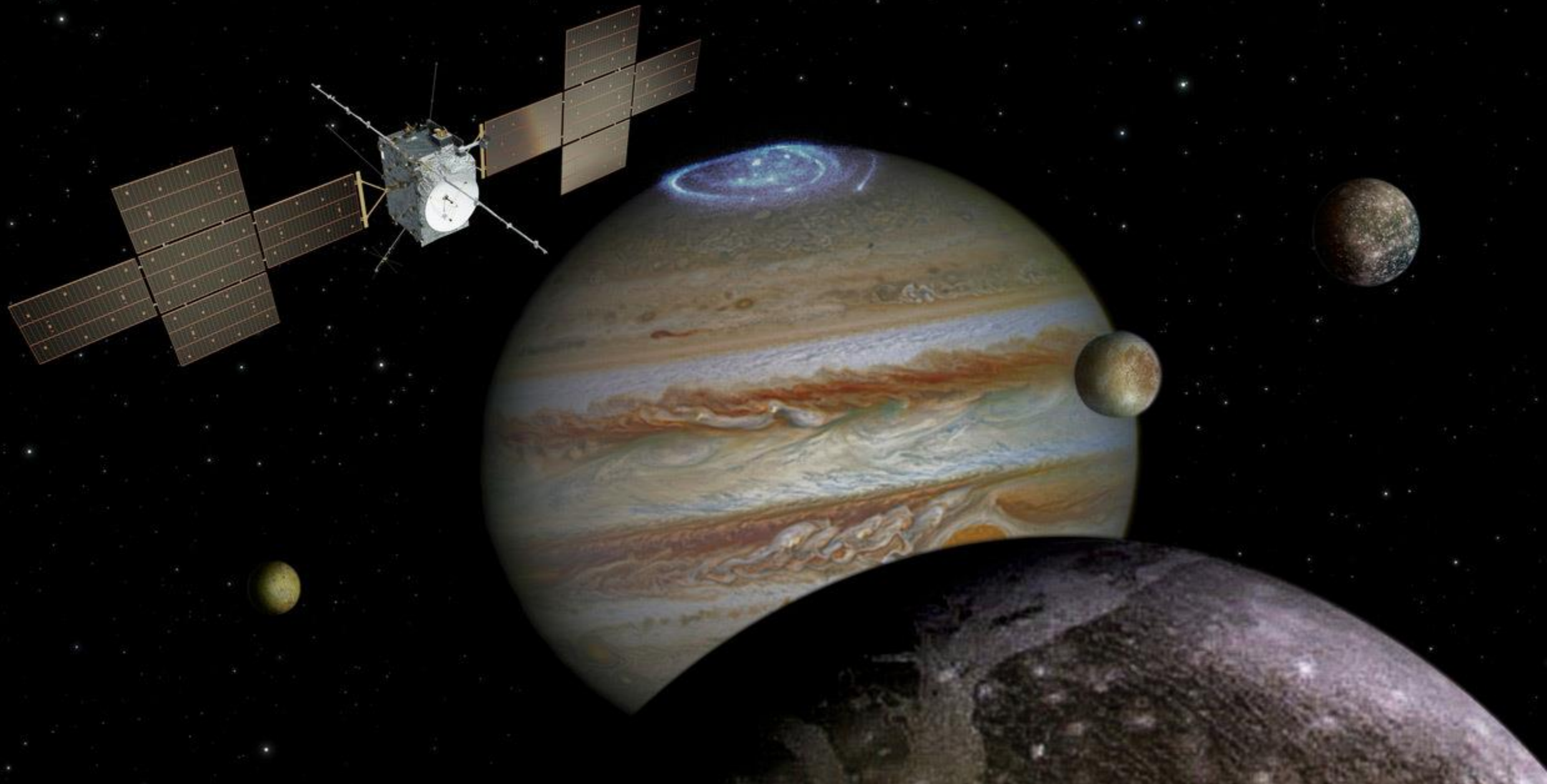
# Solar Orbiter – Czech contribution

- institutes of CAS (ASU, ÚFA, ÚFP), MFF UK, collaboration with industry
- electronics, precise mechanics, on-board software, precise optics





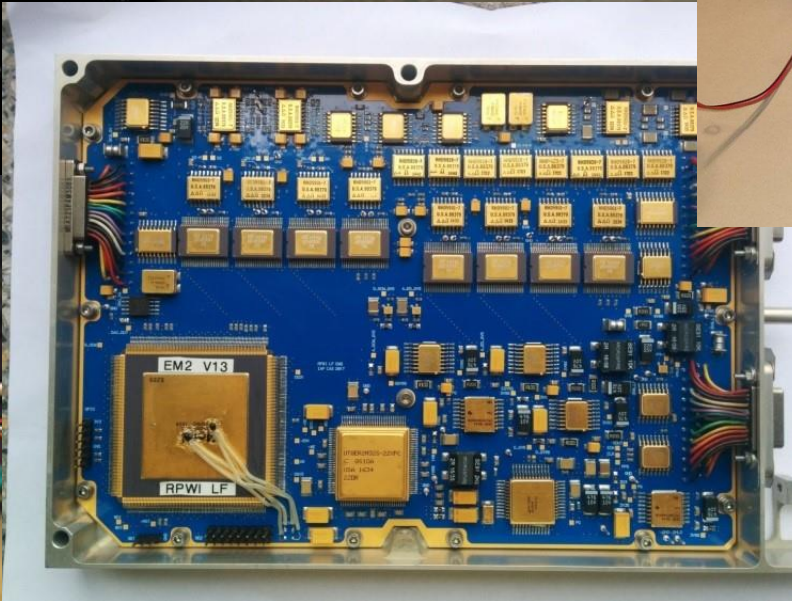
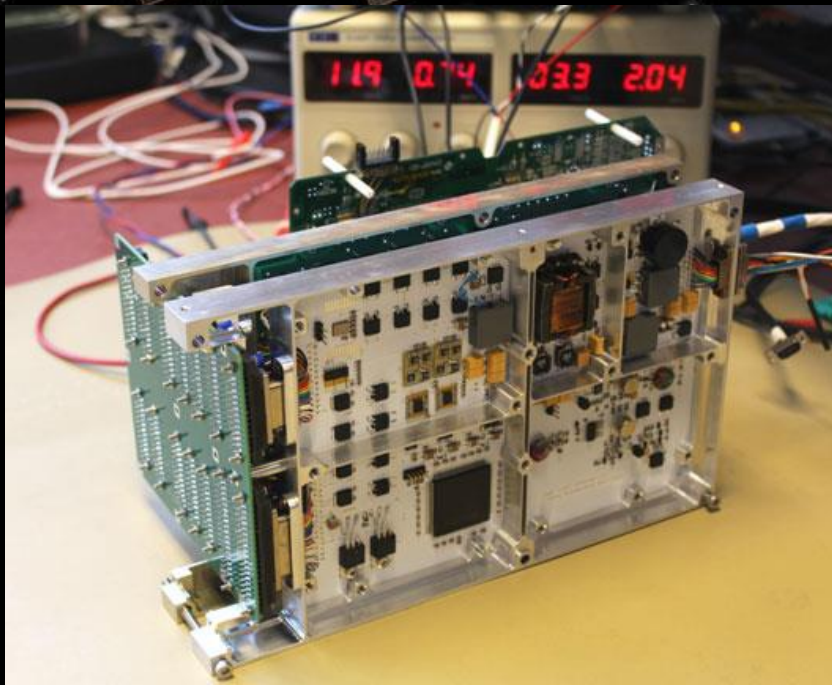
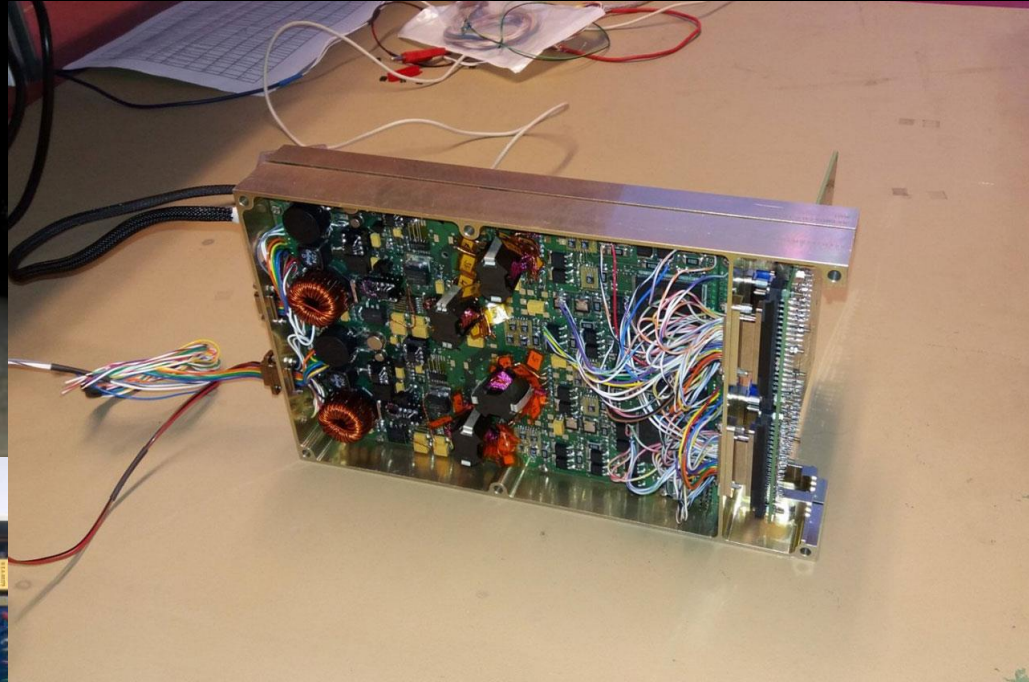
# JUICE





# JUICE – Czech contribution

- institutes of CAS (ASU, ÚFA), collaboration with industry
- space electronics





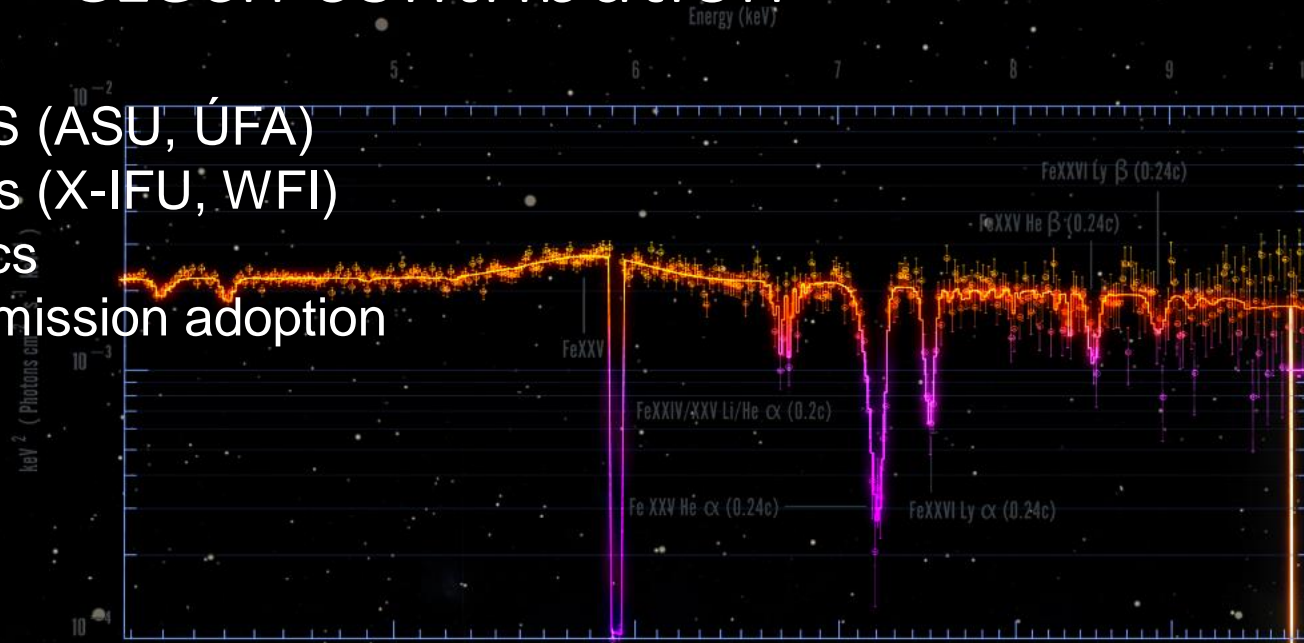
ATHENA





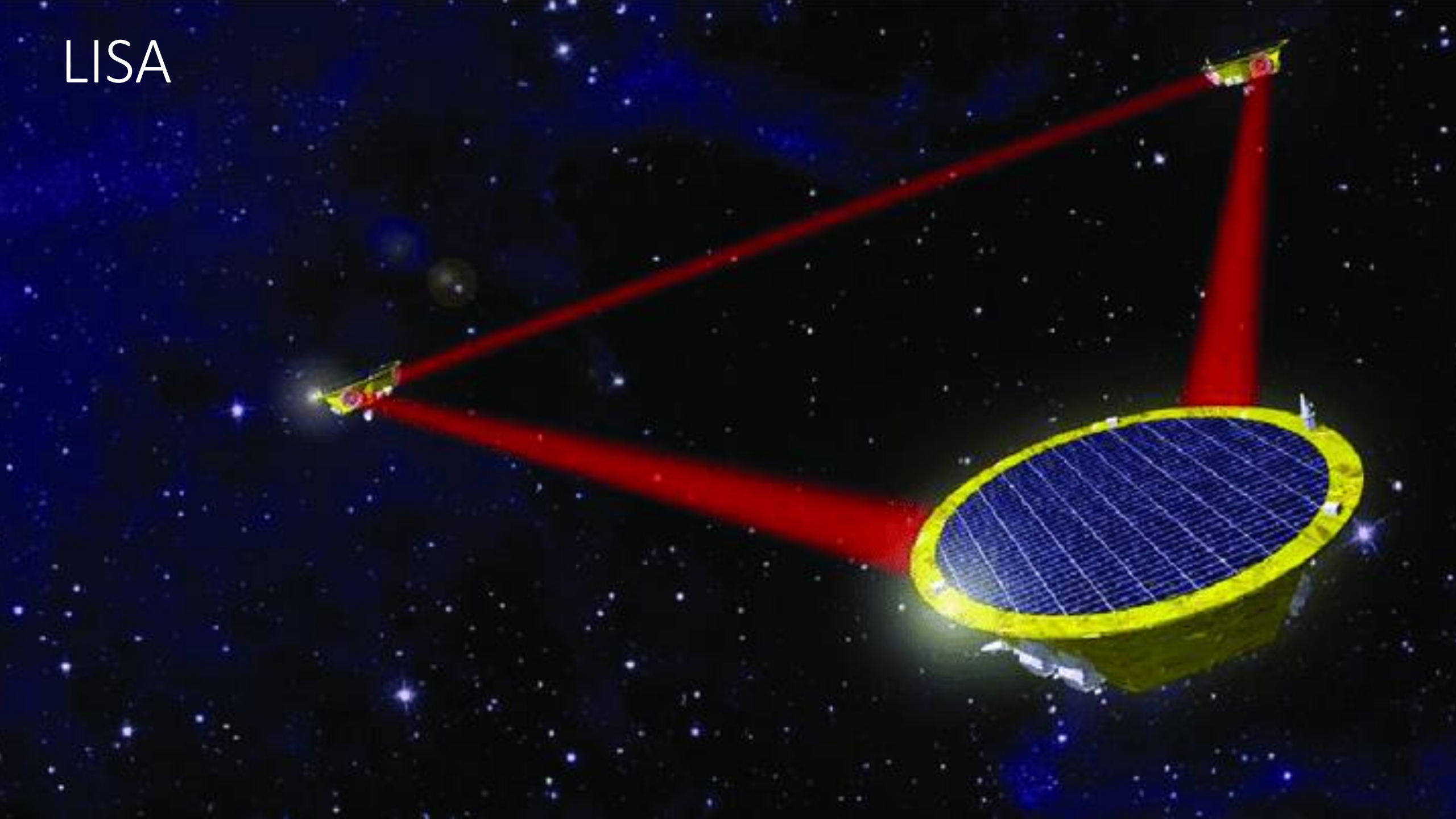
# ATHENA – Czech contribution

- institutes of CAS (ASU, ÚFA)
- both instruments (X-IFU, WFI)
- space electronics
- preparation for mission adoption





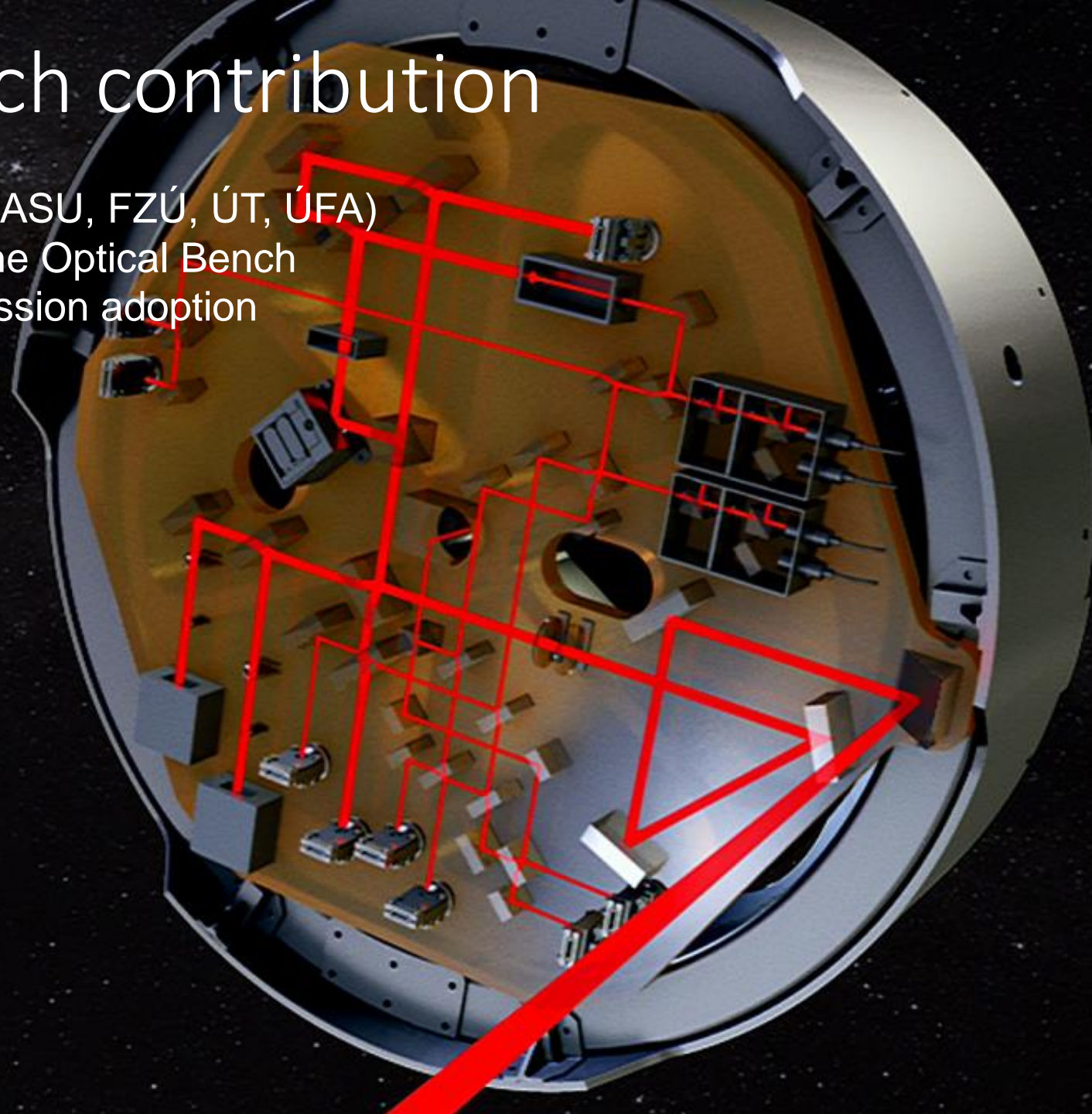
LISA





# LISA – Czech contribution

- institutes of CAS (ASU, FZÚ, ÚT, ÚFA)
- mechanisms for the Optical Bench
- preparation for mission adoption







<https://www.vesmirprolidstvo.cz/>

Thank you for  
your attention!!!