



Objective

- Develop a new passive system to stabilize **laser beam pointing stability better than 0,2 μ rad** going from an actual TRL 3 to a TRL5 level
- Define solutions to stabilize beam profile in the focal spot and ensure a shot to shot **stability of the Strehl ratio better than 0.1** going from a TRL 2 to a TRL3 level.

Partners – Deliverable – Milestone

- CNR, CNRS
- D6.4 : report on improvement of laser stability
M36
- MS24 : Publication on the hypothesis of cause of
instabilities of beam profile
M24

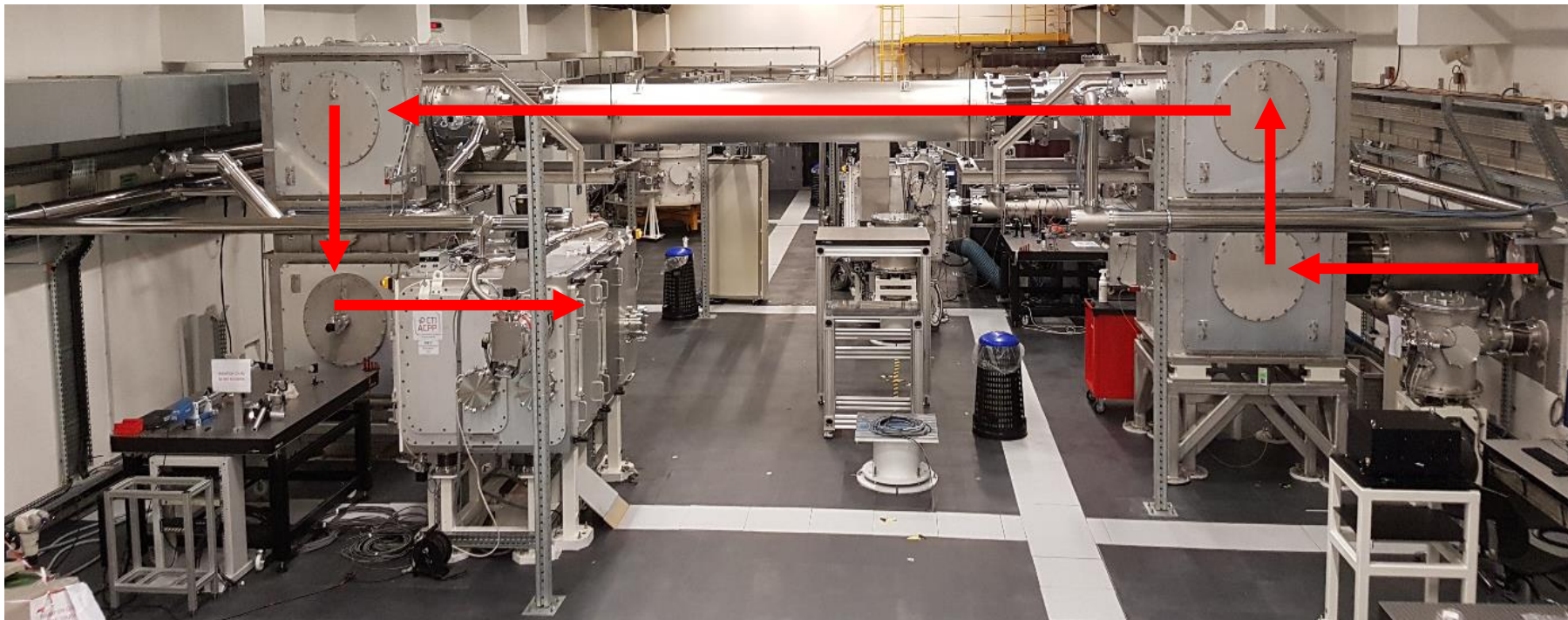
6.4 Status

- Metrology device is existing and commissioned at 50 nrad.



6.4 Status

- Set-up is under going on Apollon facility.



6.4 Status

- Passive attenuator prototype almost validated

Attenuator



iFAST



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