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The Instrument Control Software of MAORY, the MCAO module for ELT.

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We present the current status of the instrument control software of MAORY, the Multi-conjugated Adaptive Optics Relay module for the Extremely Large Telescope.

MAORY is currently approaching the Preliminary Design Review (Apr 2021) and will serve as AO module for the first light instrument MICADO and for a future second instrument.

In particular first we give an overview of the functions under SW control and the interface with MICADO. We then focus into the preliminary architectural design of the control software, which is based on the ELT-SW framework under development at ESO, and takes into account the different operational requirements of two MAORY's main components, one dedicated to multi-conjugated and one to single-conjugated observations.

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