

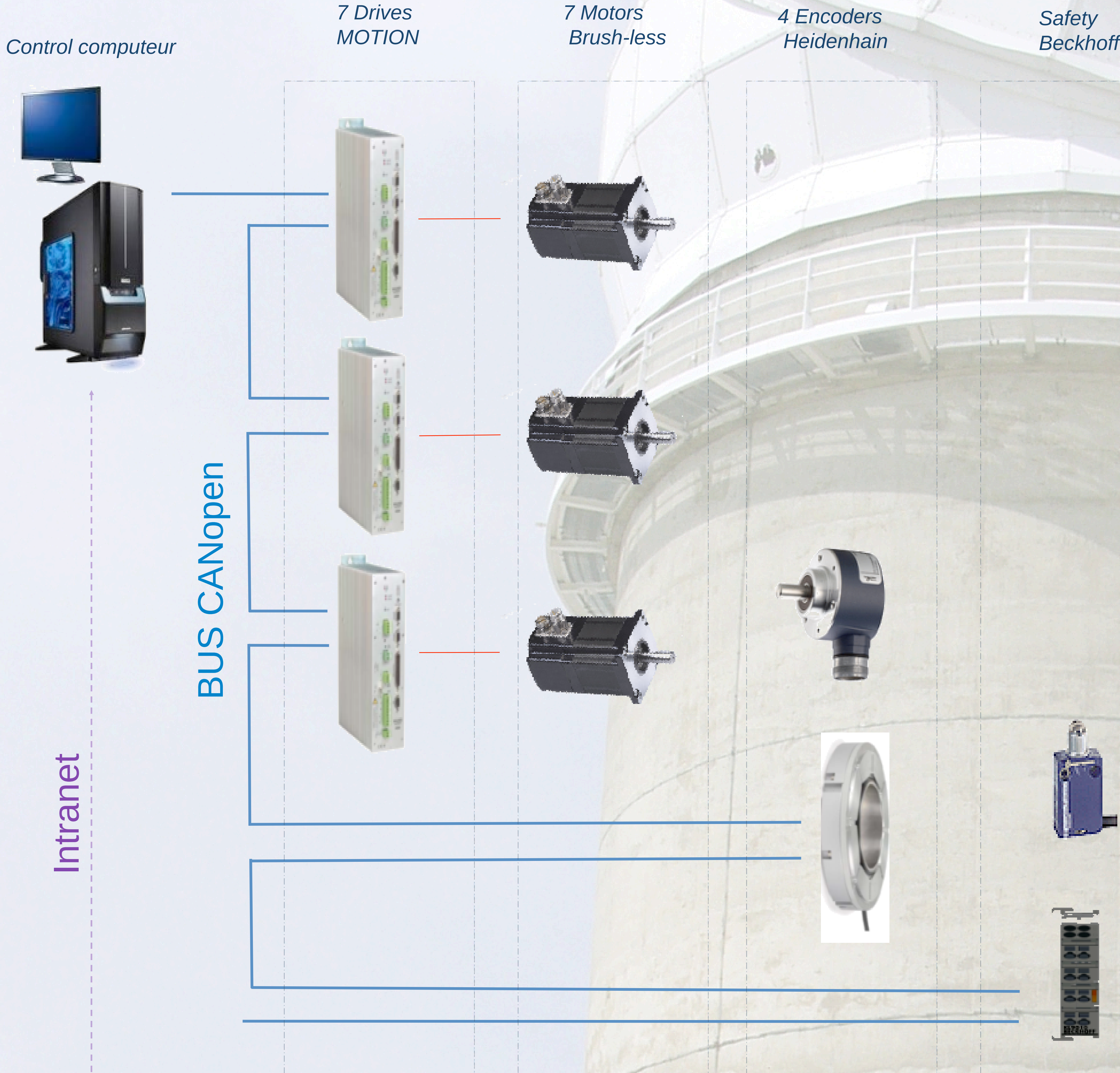
Automation of Pic du Midi 2-m Telescope Bernard Lyot

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Abstract: Since 2007, Pic du Midi 2-m Telescope Bernard Lyot is dedicated to spectropolarimetry with a scientific niche in stellar magnetism. In parallel, TBL is progressively evolving from an analogic, human-controlled telescope, to a fully automated computer controlled digital telescope. This evolution required TBL team to replace all electronics and motors with digital system (parvex, brushless motors, buscan) components, and to integrate the dataflow system from proposal to archiving into a fully coordinated, remote-access software suite.

A trained technician can already control remotely the telescope, instrument and science programs from anywhere. Further robotisation will require a high-level expert system still to be defined.

New telescope control system



End-to-end dataflow system

