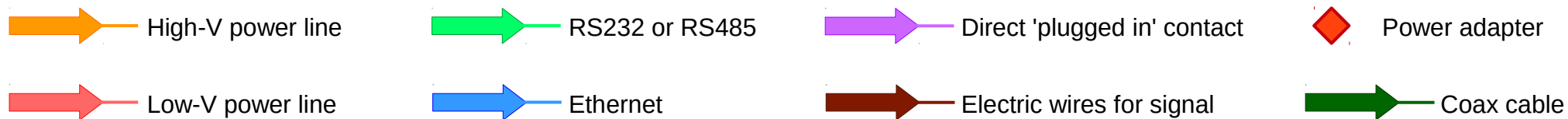


NOTES:

- all Ethernet connections actually pass through a switch, so that only 1 Ethernet cable connects this box to the rest of the NIKA network!
- the numbers are used to show where each of the outputs is located on the main 'interface panel' (see page 4!)
- the wires of numbers 1, 3 and 4 actually pass through an extra 'interface' stage shown in page 4. This stage is detailed in the file called 'cablingConnectorsBoxOnCryo_updated.pdf'



**Global view of
cryostat
electronics box**

IMACRT for
thermometers

AI card for PT
pressure readout

Power
adapters

'Néel' power
switch (hidden!)

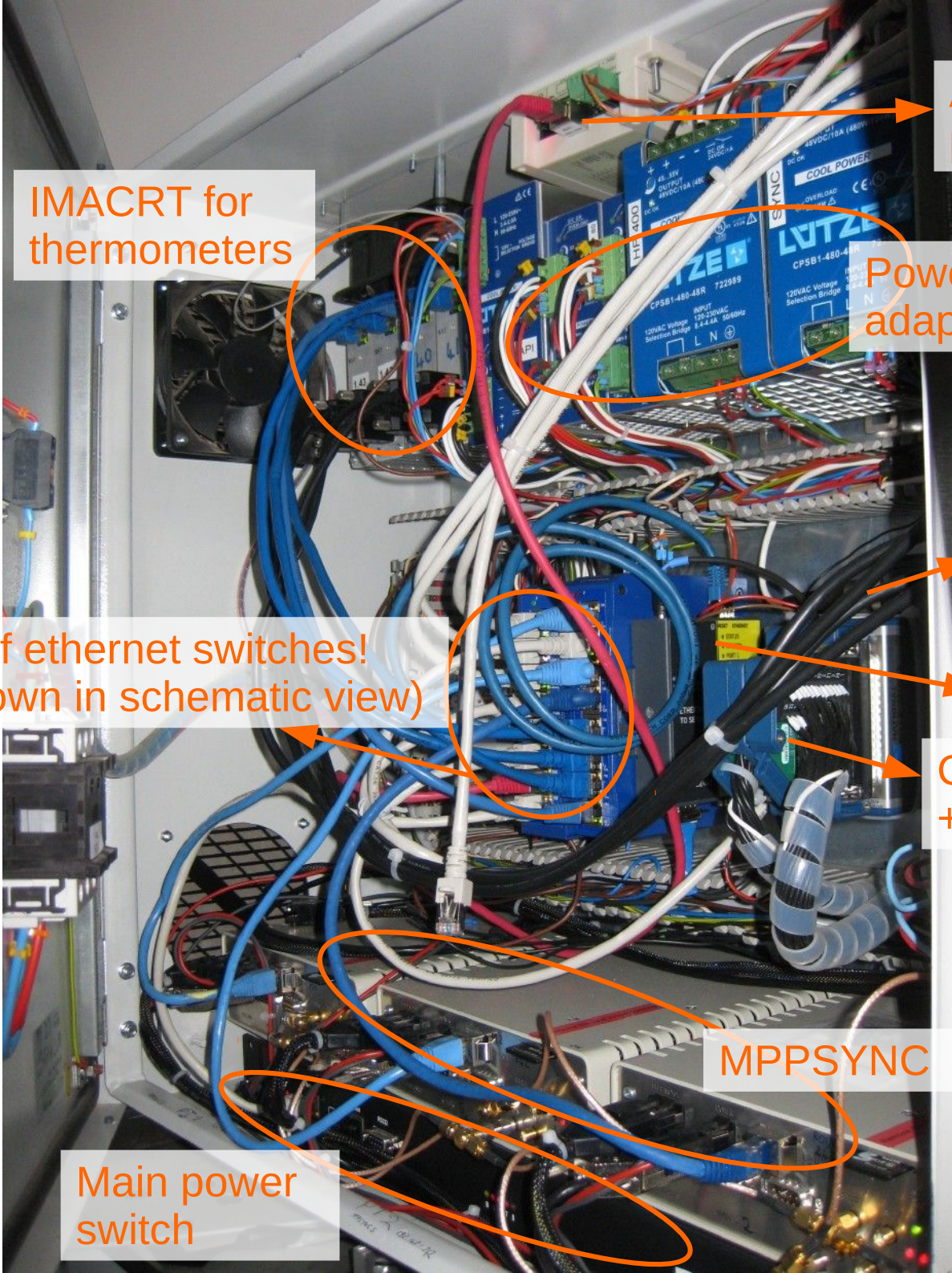
RS485 to eth

Cryostat controller
+ NI cards

MPPSYNC

Main power
switch

Plenty of ethernet switches!
(Not shown in schematic view)



IMACRT for
thermometers

AI card for PT
pressure readout

Power
adapters

*Zoomed views of
cryostat
electronics box*

MPPSYNC

Main power
switch

'Néel' power
switch

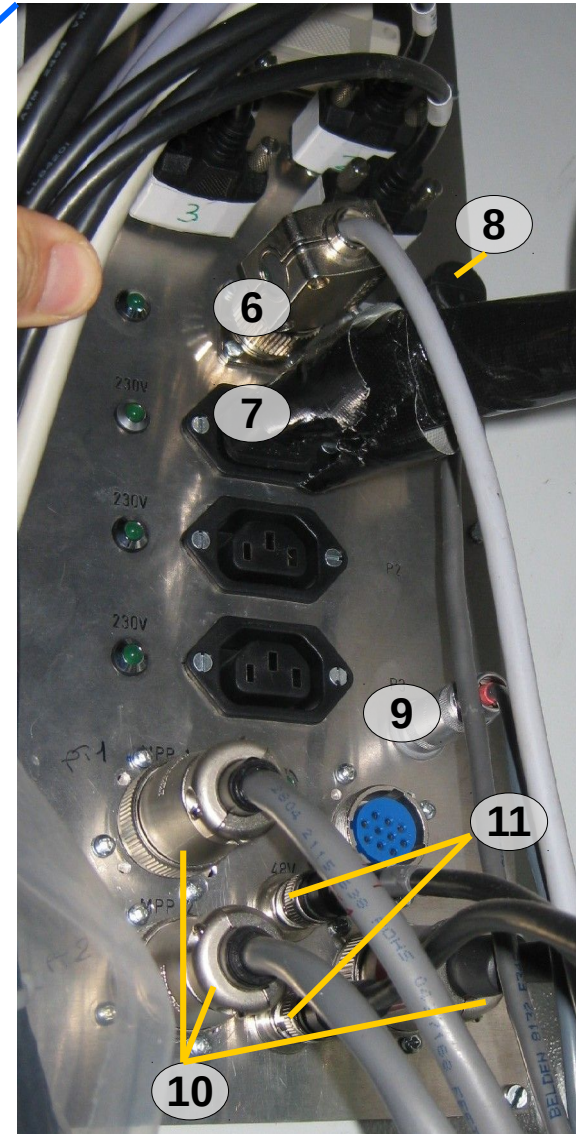
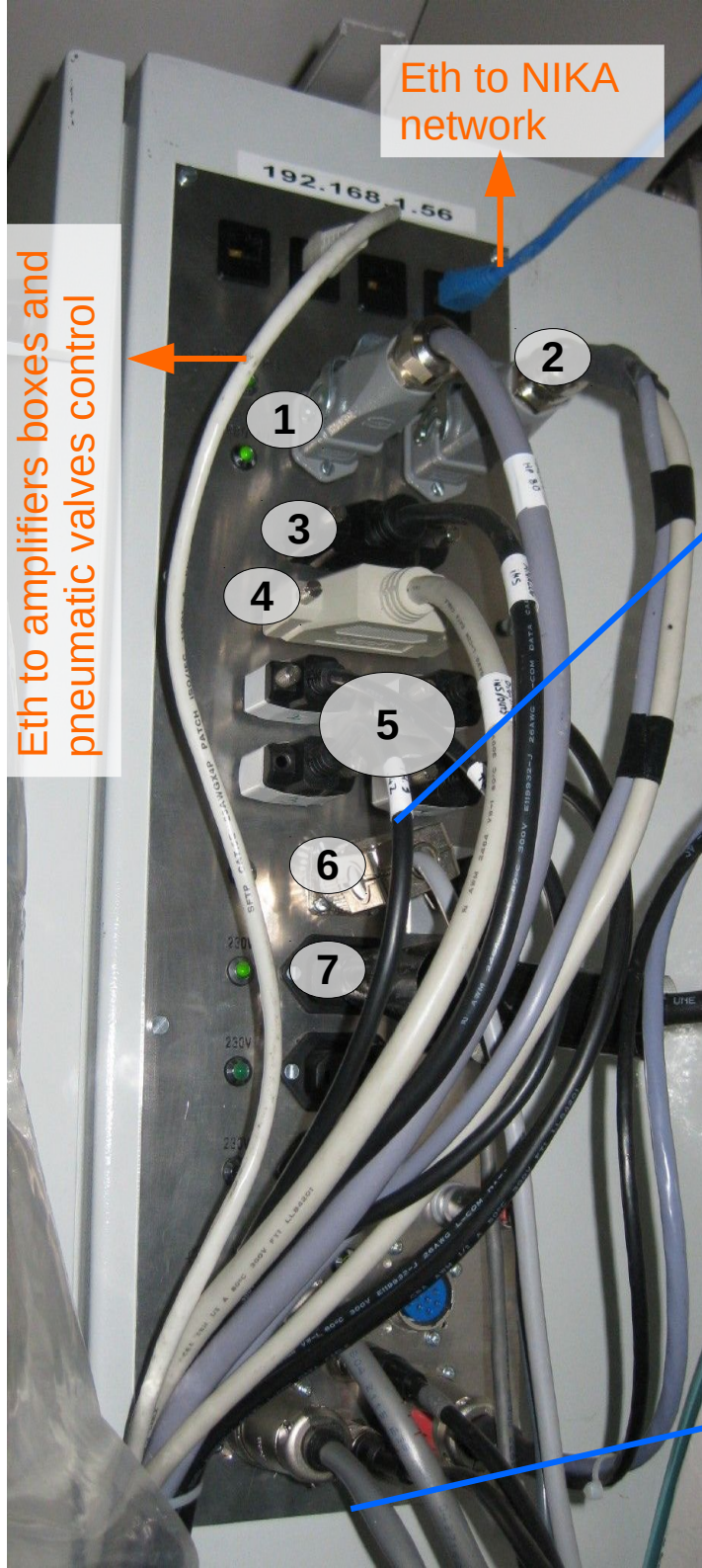
RS485 to eth

Cryostat controller
+ NI cards

Eth to amplifiers boxes and
pneumatic valves control

Eth to NIKA
network

**Connector panel on the
cryostat electronics box**





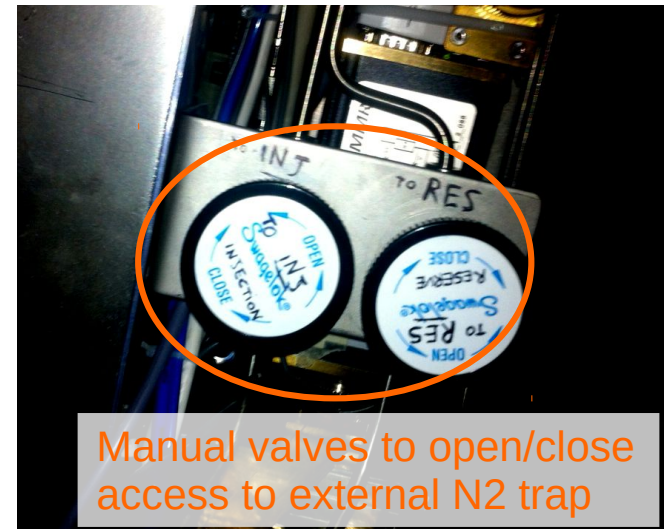
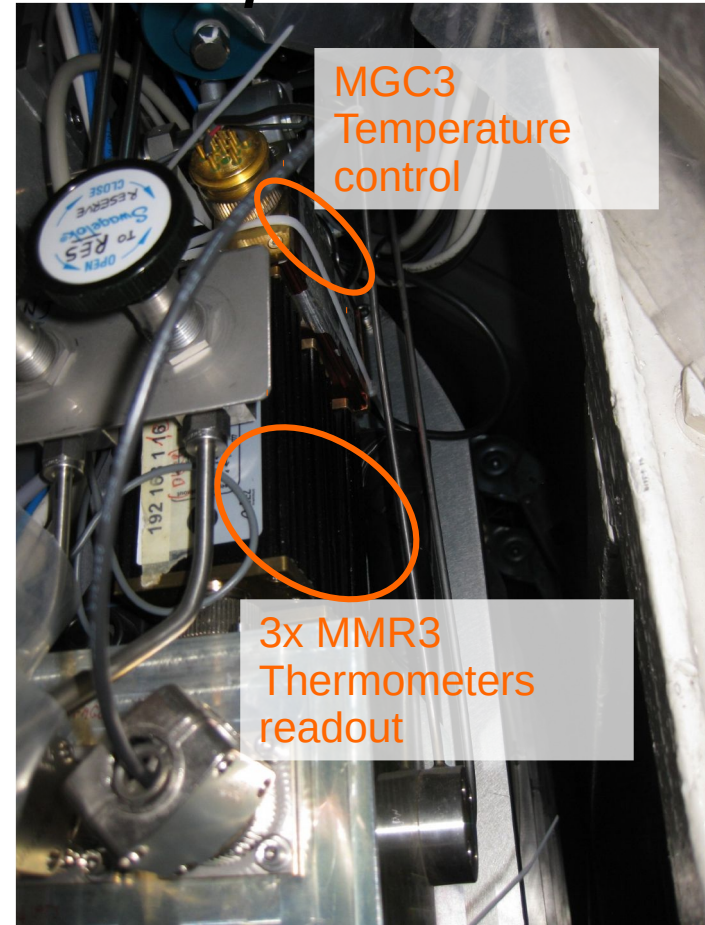
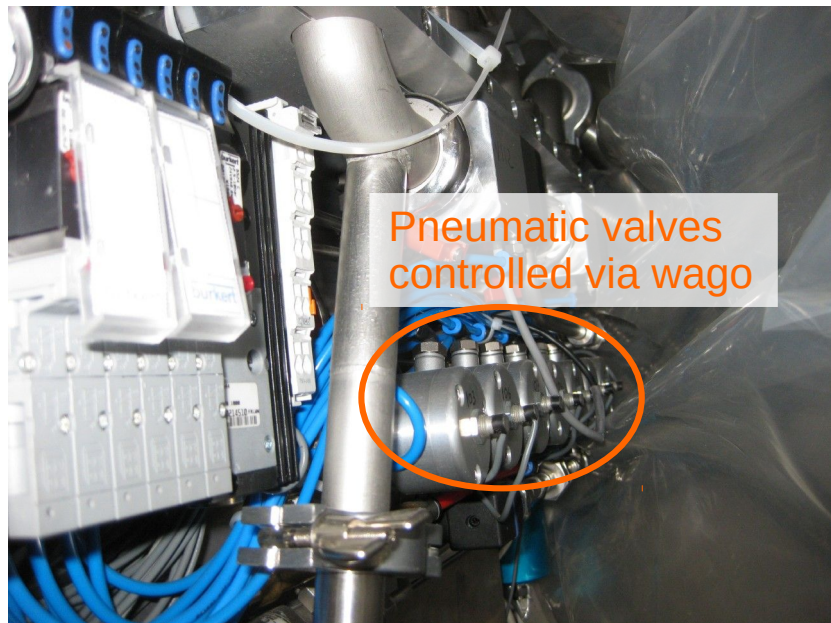
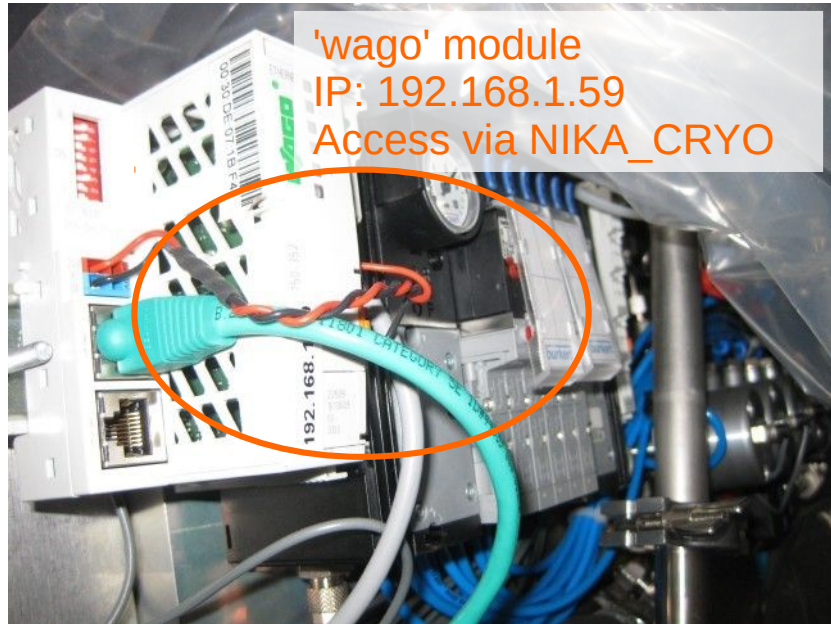
Eth to cryo box

'wago' (valves control via eth)

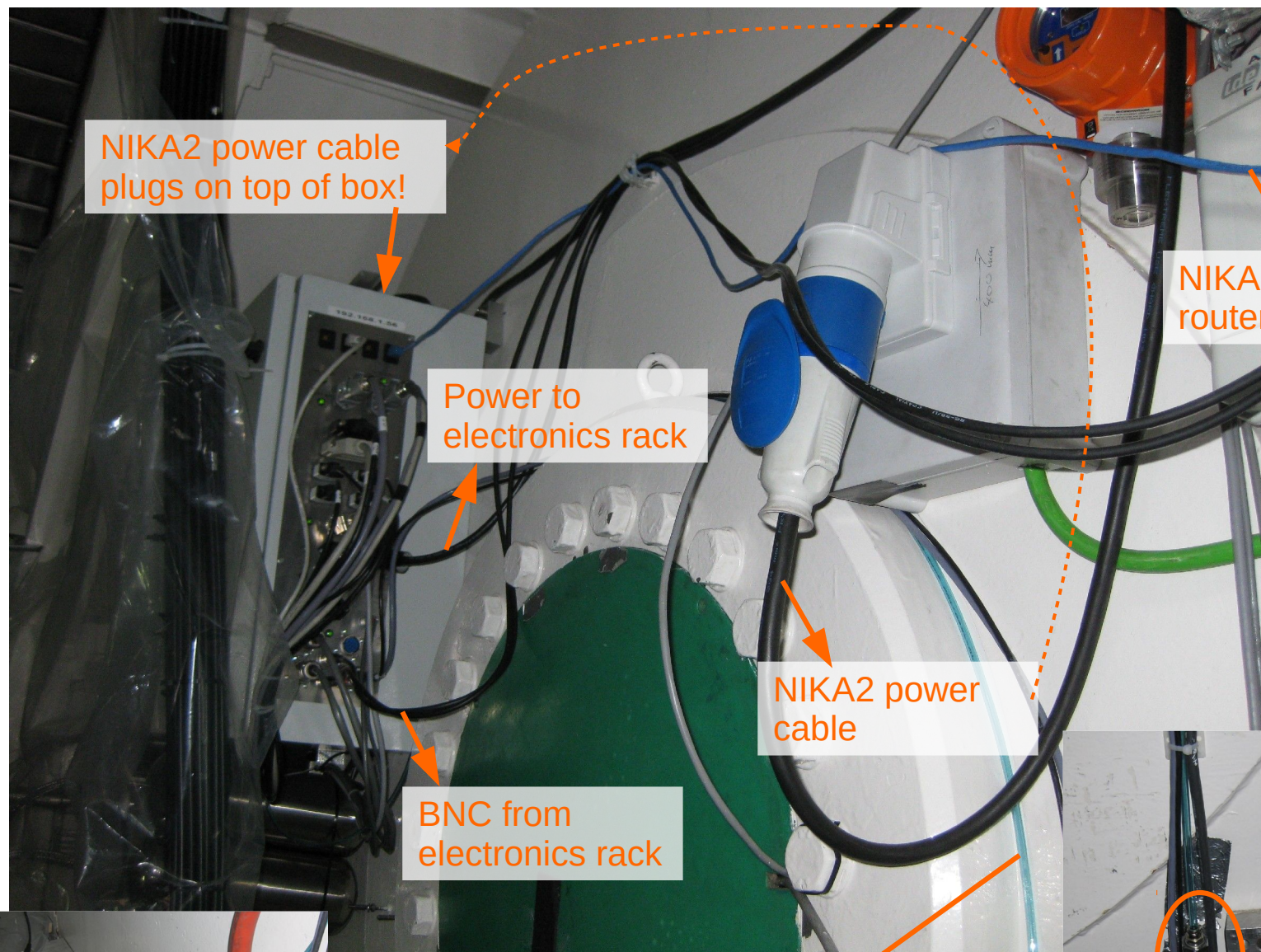
Eth to wago valves control

Boxes for cryo preamplifier biasing

Cryostat back: main connections / components



Main connections of the cryostat electronics box



NIKA2 power cable plugs on top of box!

Power to electronics rack

NIKA2 eth cable. Plugs on the router on top of the stairs

NIKA2 power cable

BNC from electronics rack



NIKA2 compressed air: keep open!

Power for NIKa2 turbopump fan: do not unplug!

