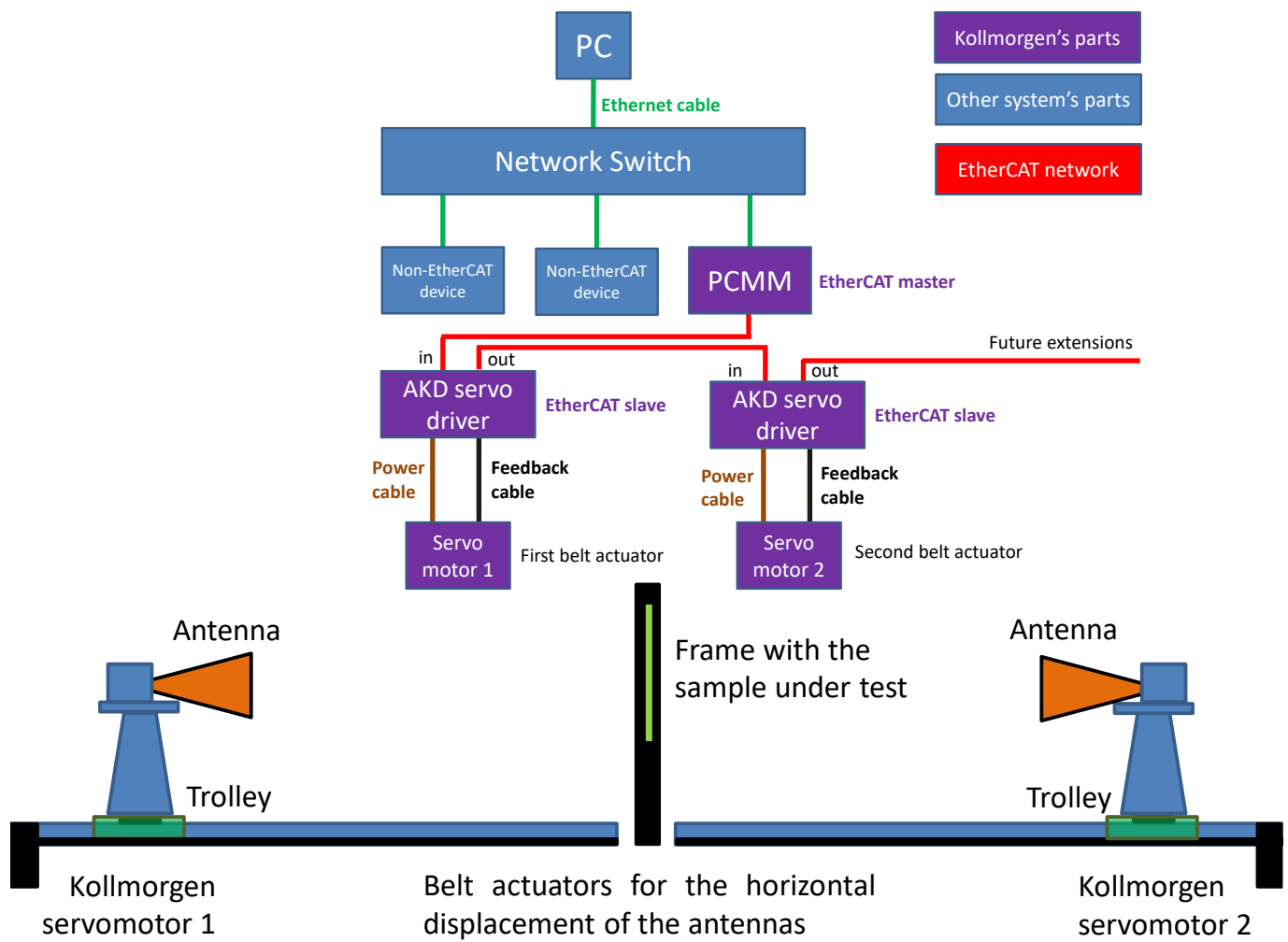# EtherCAT architecture

Kollmorgen's parts:

(**2 items**) Servo motor **AKM240-ACBNR-00** (power 540 W with the selected driver)

(**2 items**) EtherCAT driver **AKD-P00306-NA-EC-E000**

(**1 item**) PCMM (Programmable Controller Multi-Axis Master) **AKC-PCM-M1-120-00N-00-000**

(**2 items**) 1-meter long power cable **CP-N1A08-10-01-00**

(**2 items**) 1-meter long feedback cable **CF-R0FB12-02-01-00**

Windows 10
LabVIEW 2015
Kollmorgen KAS

PC+HMI

Ethernet cable

Network Switch

Non-EtherCAT device

Non-EtherCAT device

PCMM — EtherCAT master

in   out

AKD servo driver — EtherCAT slave

in   out

AKD servo driver — EtherCAT slave

Future extensions

Power cable   Feedback cable

Servo motor — First belt actuator

Power cable   Feedback cable

Servo motor — Second belt actuator

Kollmorgen's parts

Other parts

Antenna

Antenna's frame placed on the trolley

Belt actuator for the horizontal displacement of the antennas

Belt's servomotor

Frame with the sample under test

Belt's servomotor

Antenna

Belt actuator for the horizontal displacement of the antennas