Demo: Ethernet, RS485 and SPE under EMI ...

IEEE ETFA 2022 – WS10
“Enabling robust, converged networks for Industry 4.0”
06/09/2022 – Stuttgart (Germany)

Most recent version of the presentation

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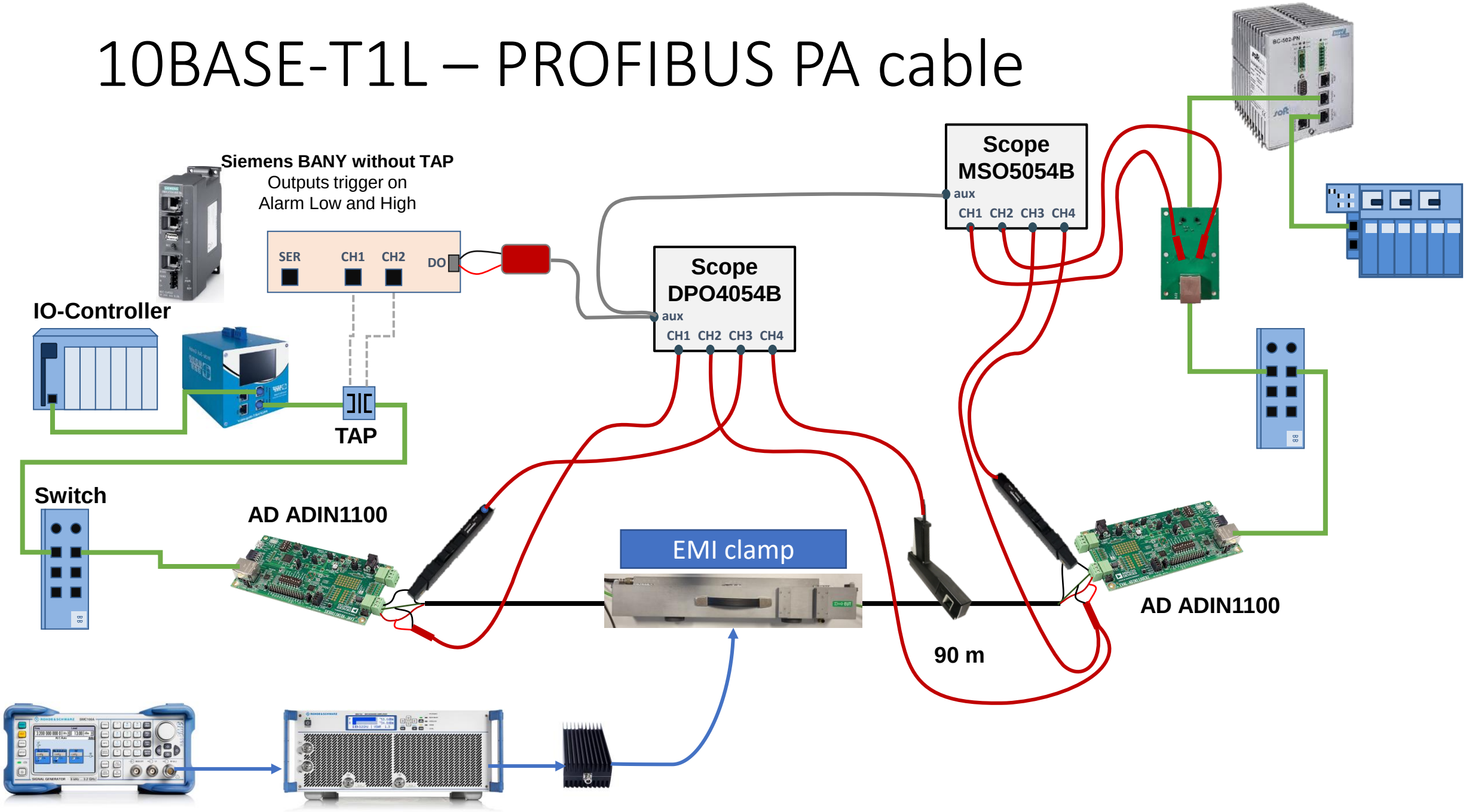
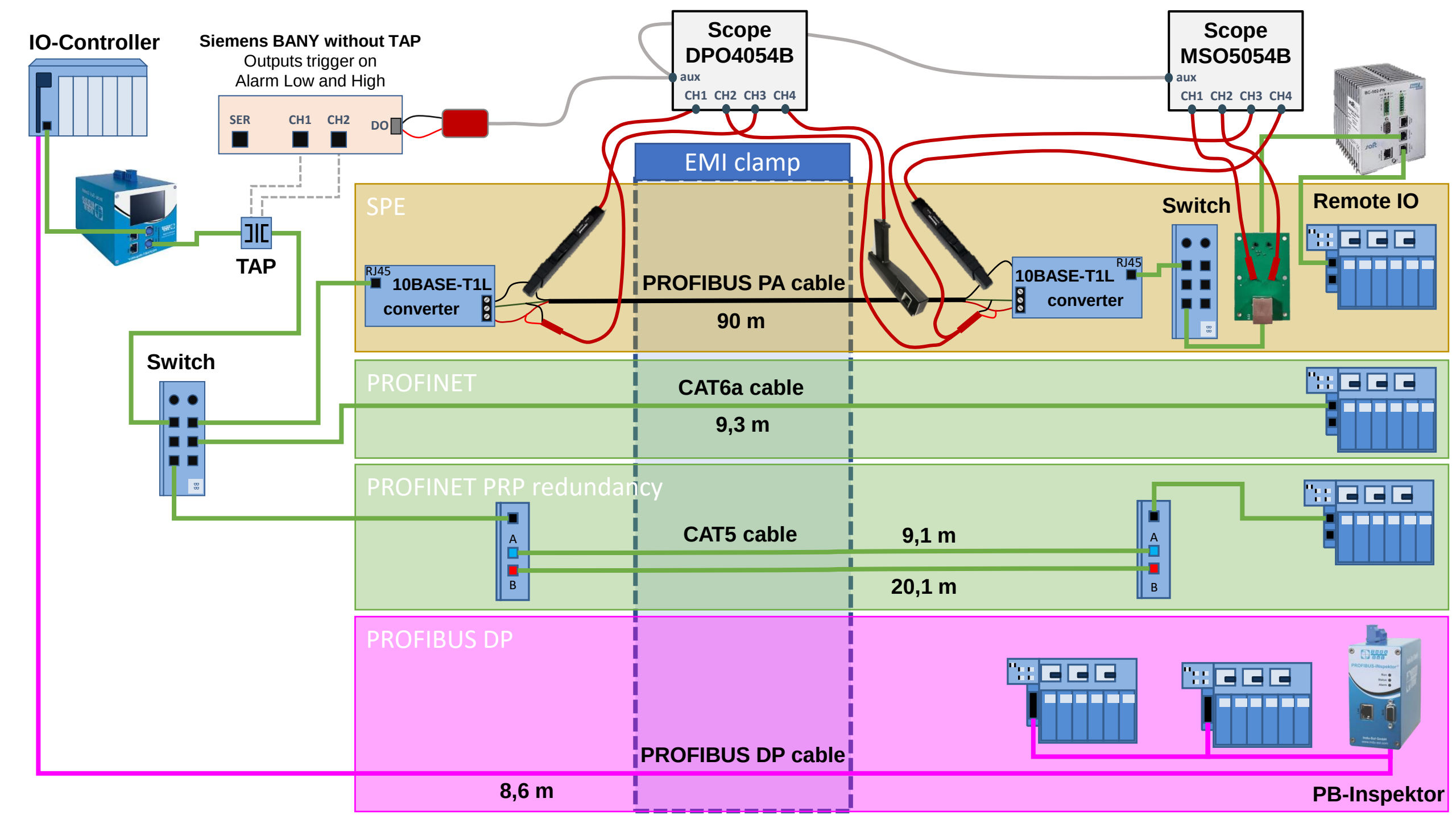
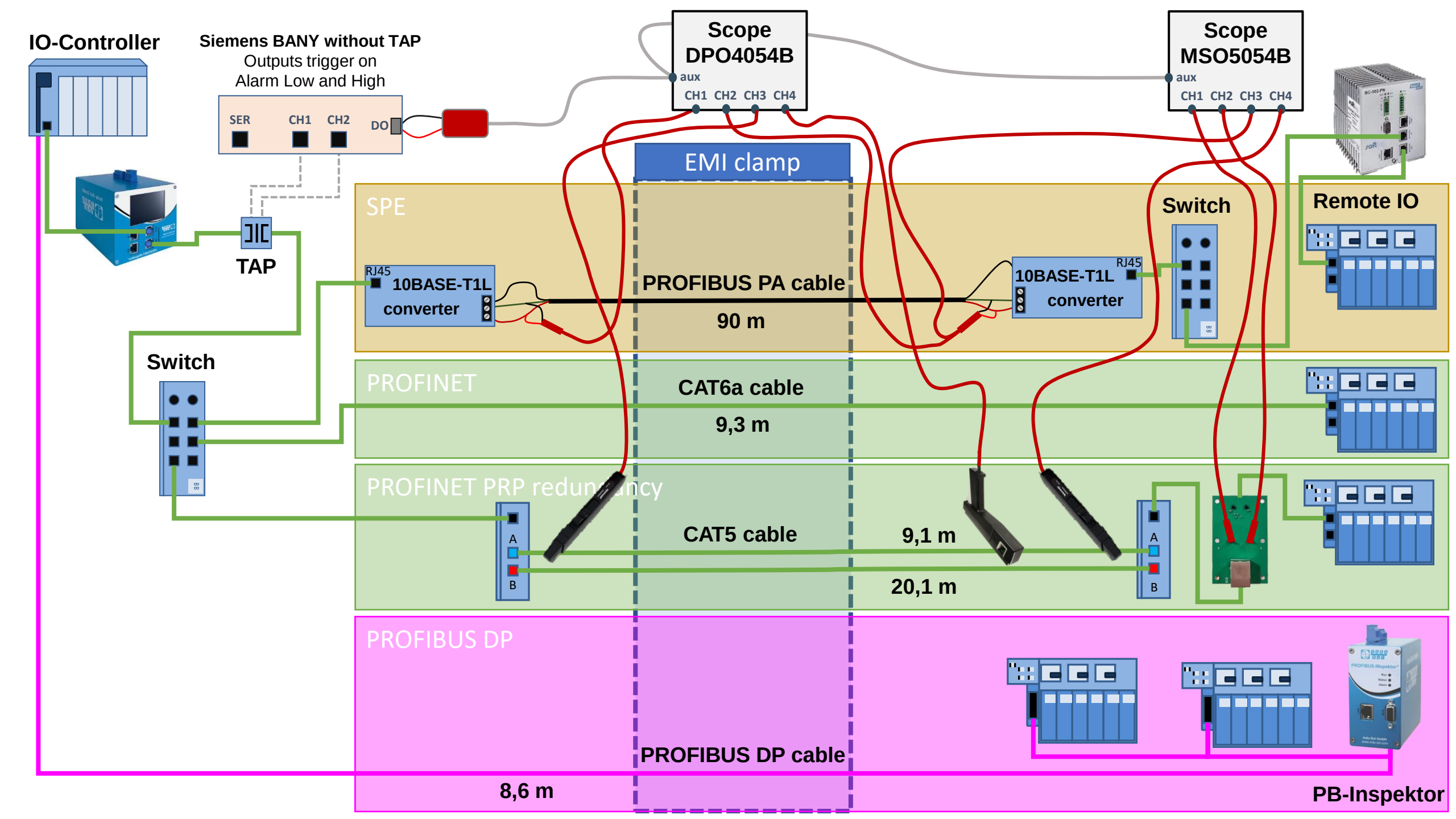
10BASE-T1L – PROFIBUS PA cable




IO-Controller
Siemens BANY without TAP
Outputs trigger on
Alarm Low and High
SER
CH1
CH2
DO
TAP
Switch
Scope
DPO4054B
aux
CH1 CH2 CH3 CH4
Scope
MSO5054B
aux
CH1 CH2 CH3 CH4
EMI clamp
SPE
RJ45
10BASE-T1L
converter
PROFIBUS PA cable
90 m
10BASE-T1L
converter
RJ45
Switch
Remote IO
PROFINET
CAT6a cable
9,3 m
PROFINET PRP redundancy
A
B
CAT5 cable
9,1 m
20,1 m
A
B
PROFIBUS DP
PROFIBUS DP cable
8,6 m
PB-Inspektor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