

Historie a současnost pohledů na různou bezpečnost kolem dokola světa.

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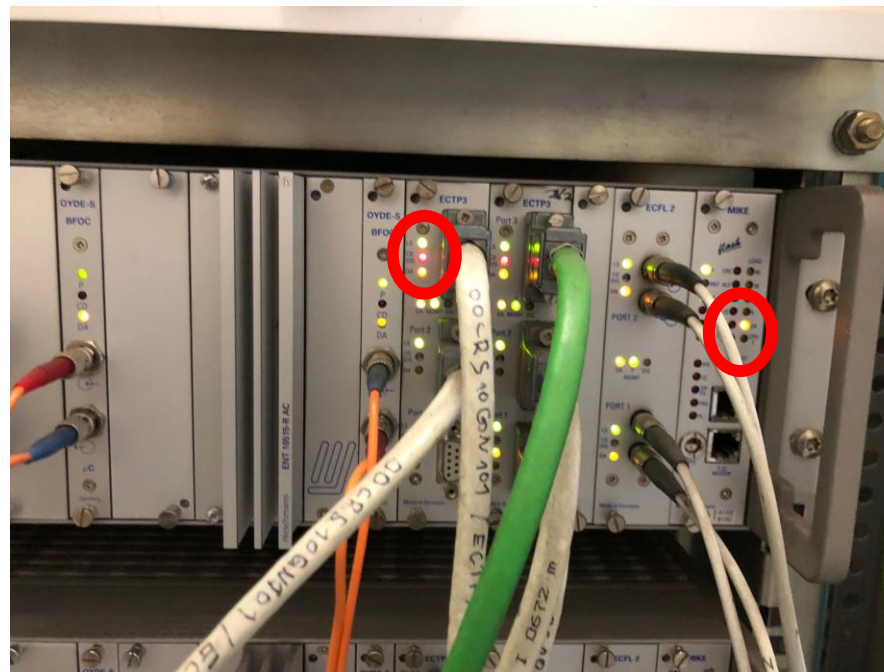
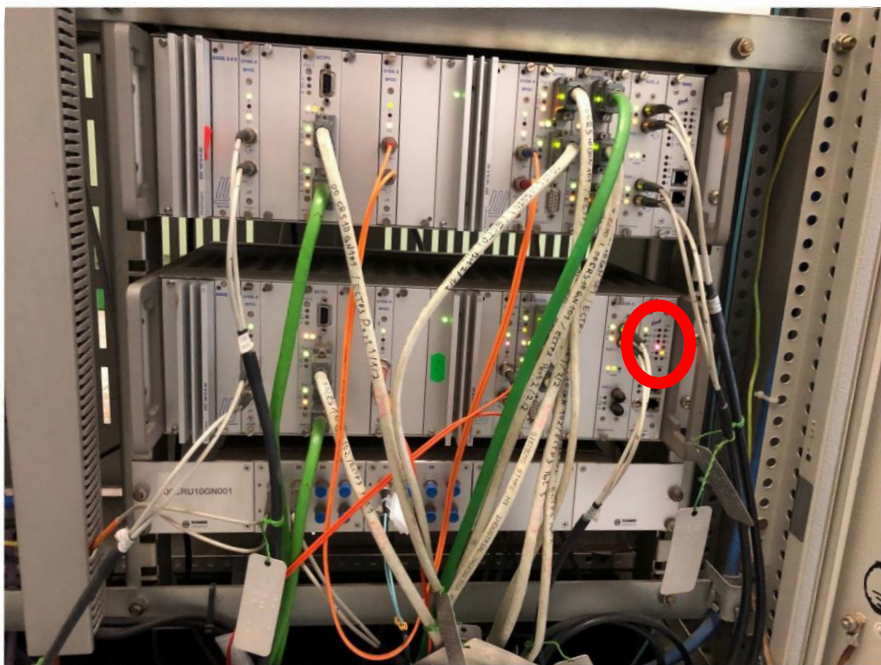
COLSYS
AUTOMATIK



HIRSCHMANN

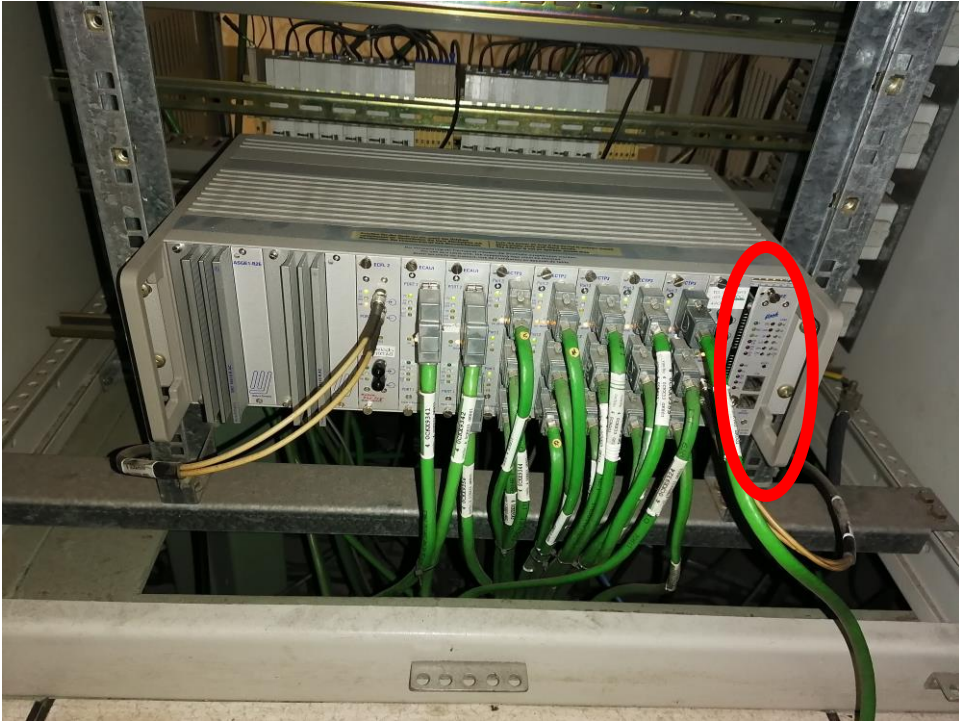
A **BELDEN** BRAND

Jak to začalo po světě...



Česká republika, situace z roku 1998 v roce 2020

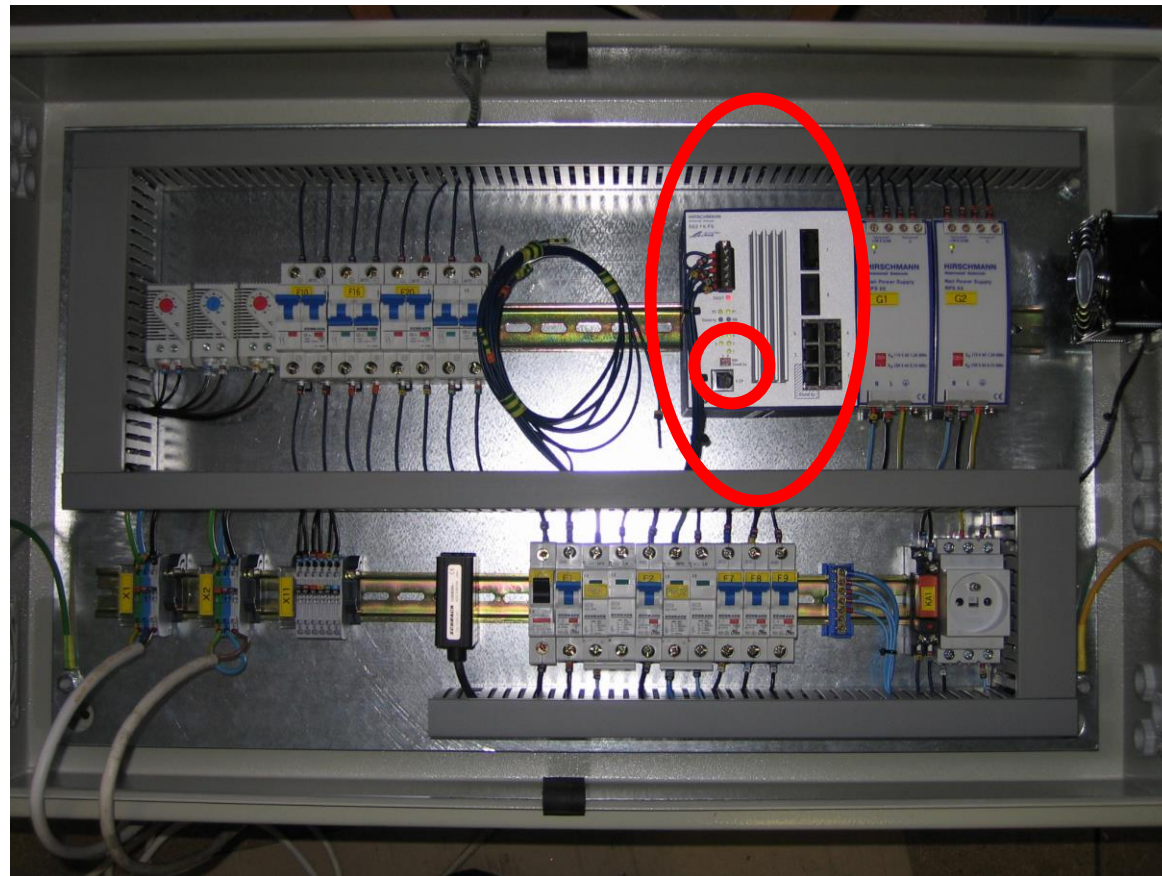
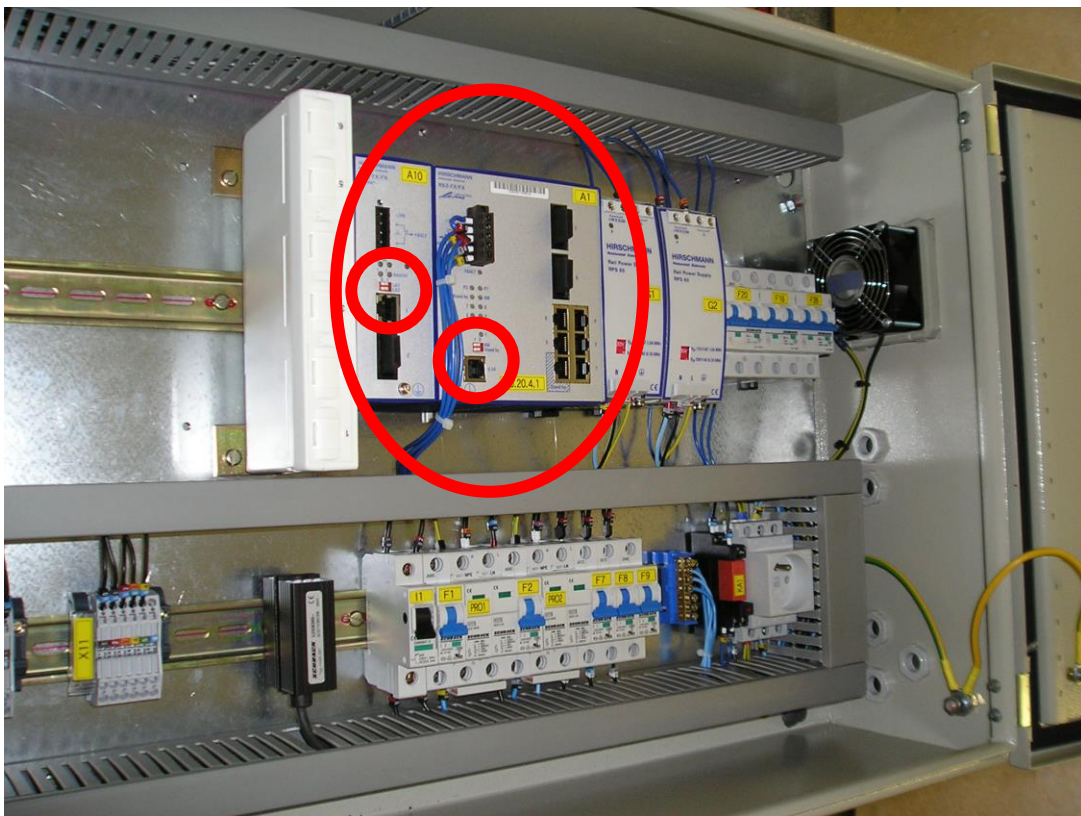
Jak to začalo po světě...



Mexiko, situace z roku 1999 v roce 2022



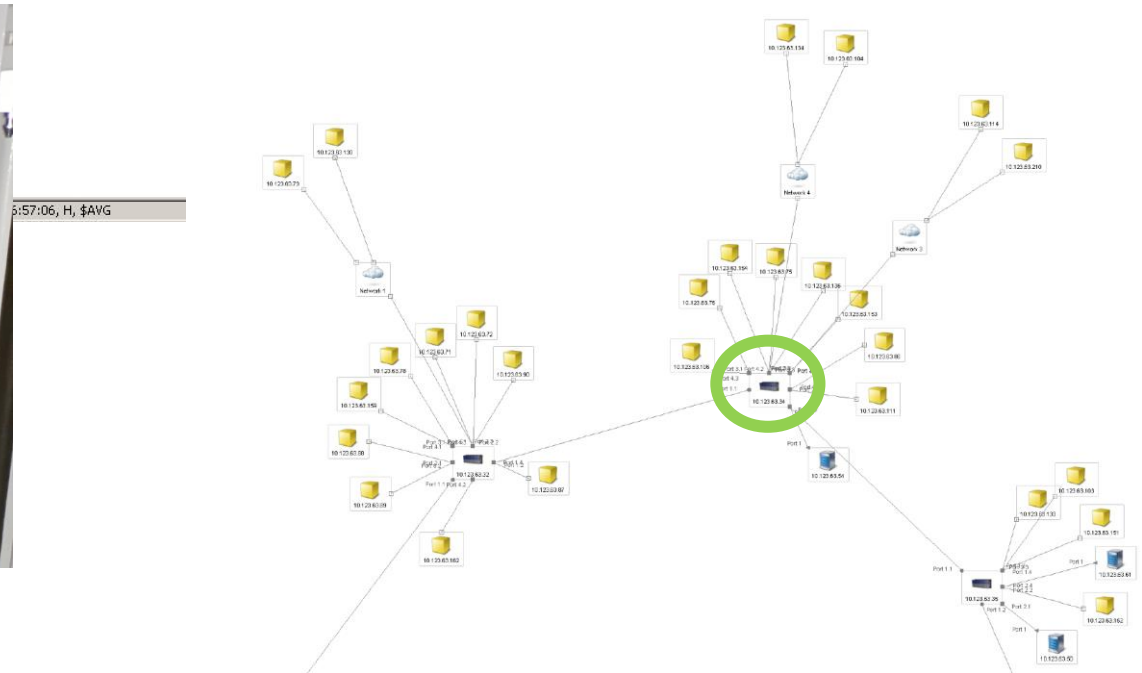
Jak to začalo po světě...



Česká republika, situace z roku 2003 a 2007 v roce 2019

Jak to začalo po světě...

Id	MAC Address	Writable	IP Address A	Net Mask	Default Gateway	Product	Name
2	00:80:63:4E:34:CE	<input checked="" type="checkbox"/>	10.123.63.31	255.255.254.0	10.123.62.1	MS20-1600SAAEH	MICE-4E34CE (NW01)
9	00:80:63:4E:35:E9	<input checked="" type="checkbox"/>	10.123.63.32	255.255.254.0	10.123.62.1	MS20-1600SAAEH	MICE-4E35E9
7	00:80:63:4E:35:99	<input checked="" type="checkbox"/>	10.123.63.33	255.255.254.0	10.123.62.1	MS20-1600SAAEH	MICE-4E3599
4	00:80:63:4E:35:1E	<input checked="" type="checkbox"/>	10.123.63.34	255.255.254.0	10.123.62.1	MS20-1600SAAEH	MICE-4E351E
3	00:80:63:4E:34:F6	<input checked="" type="checkbox"/>	10.123.63.35	255.255.254.0	10.123.62.1	MS20-1600SAAEH	MICE-4E34F6
6	00:80:63:4E:35:71	<input checked="" type="checkbox"/>	10.123.63.36	255.255.254.0	10.123.62.1	MS20-1600SAAEH	MICE-4E3571
8	00:80:63:4E:35:C1	<input checked="" type="checkbox"/>	10.123.63.37	255.255.254.0	10.123.62.1	MS20-1600SAAEH	MICE-4E35C1
1	00:80:63:4E:34:A6	<input checked="" type="checkbox"/>	10.123.63.38	255.255.254.0	10.123.62.1	MS20-1600SAAEH	MICE-4E34A6
5	00:80:63:4E:35:49	<input checked="" type="checkbox"/>	10.123.63.39	255.255.254.0	10.123.62.1	MS20-1600SAAEH	MICE-4E3549



Jižní Korea, situace z roku 2014 v roce 2023

Posun v chápání v letech...



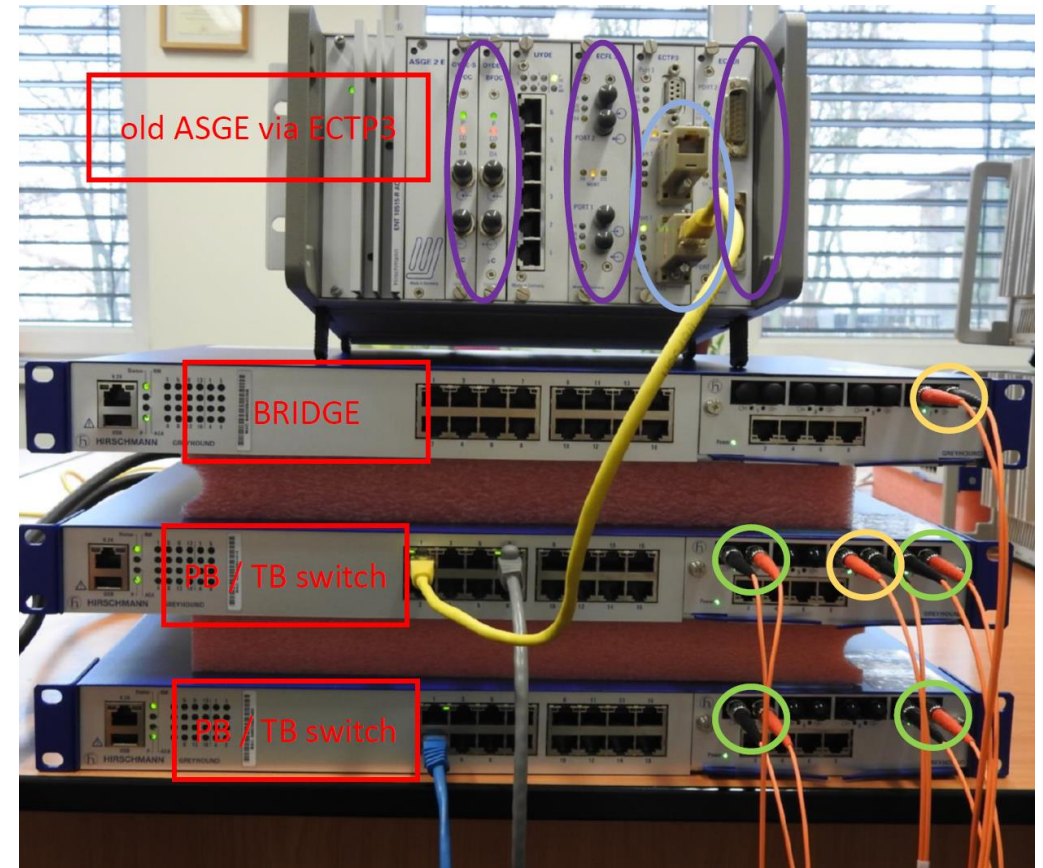
SIMATIC S5 CPU + 2x CP143

LED1: MASTER1
LED2: MASTER2
LED3: SLAVE2

MASTER + MASTER
time telegram is NOT available from MASTER
bridge is working with valid rules
L2 MC 09:00:06:01:FF:EF is fully blocked on all ports of BRIDGE



MASTER + SLAVE
time telegram is available from MASTER
(inside TB/PB or when BRIDGE has no rules)



old ASGE via ECTP3

BRIDGE

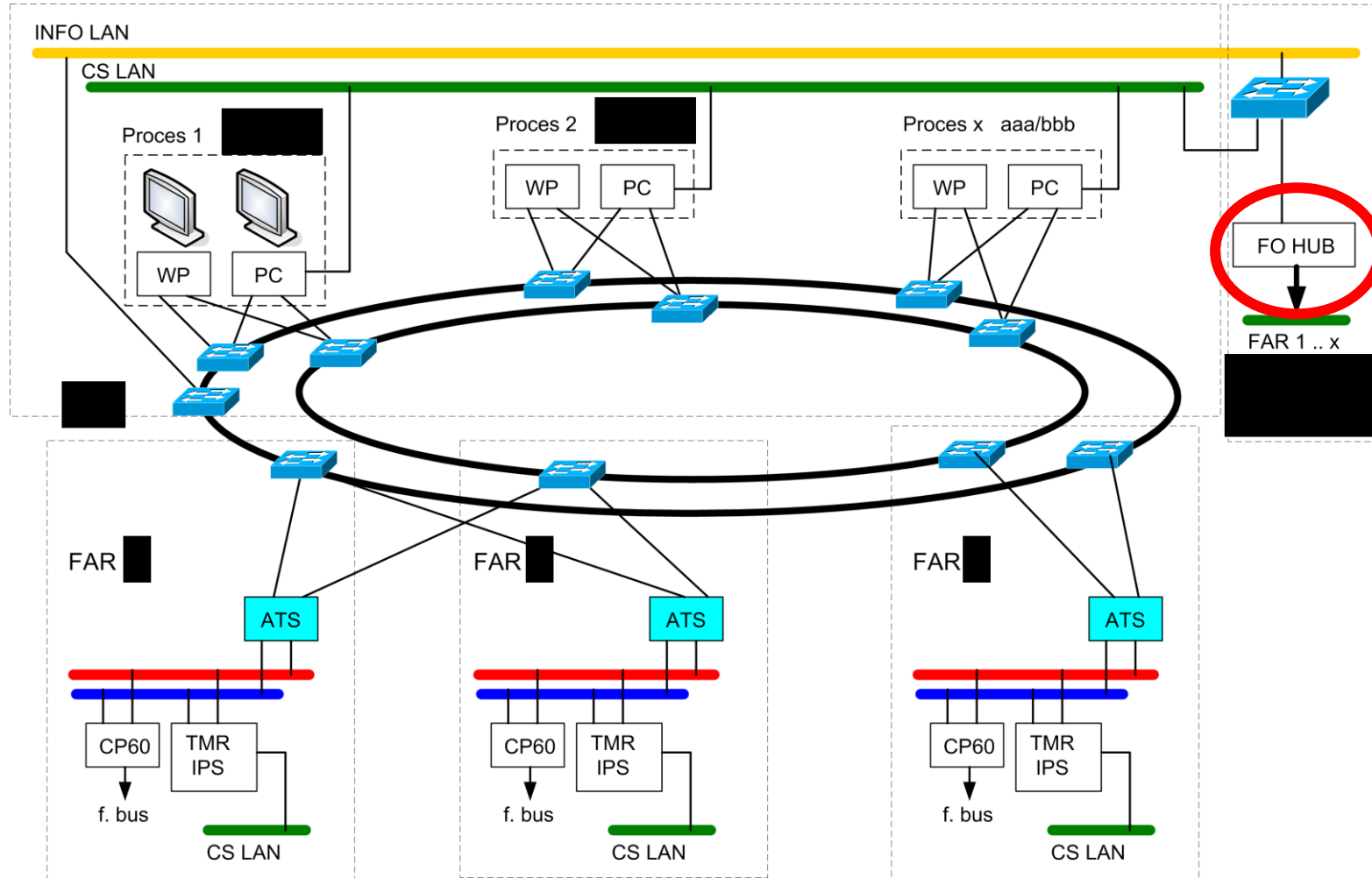
PB / TB switch

PB / TB switch



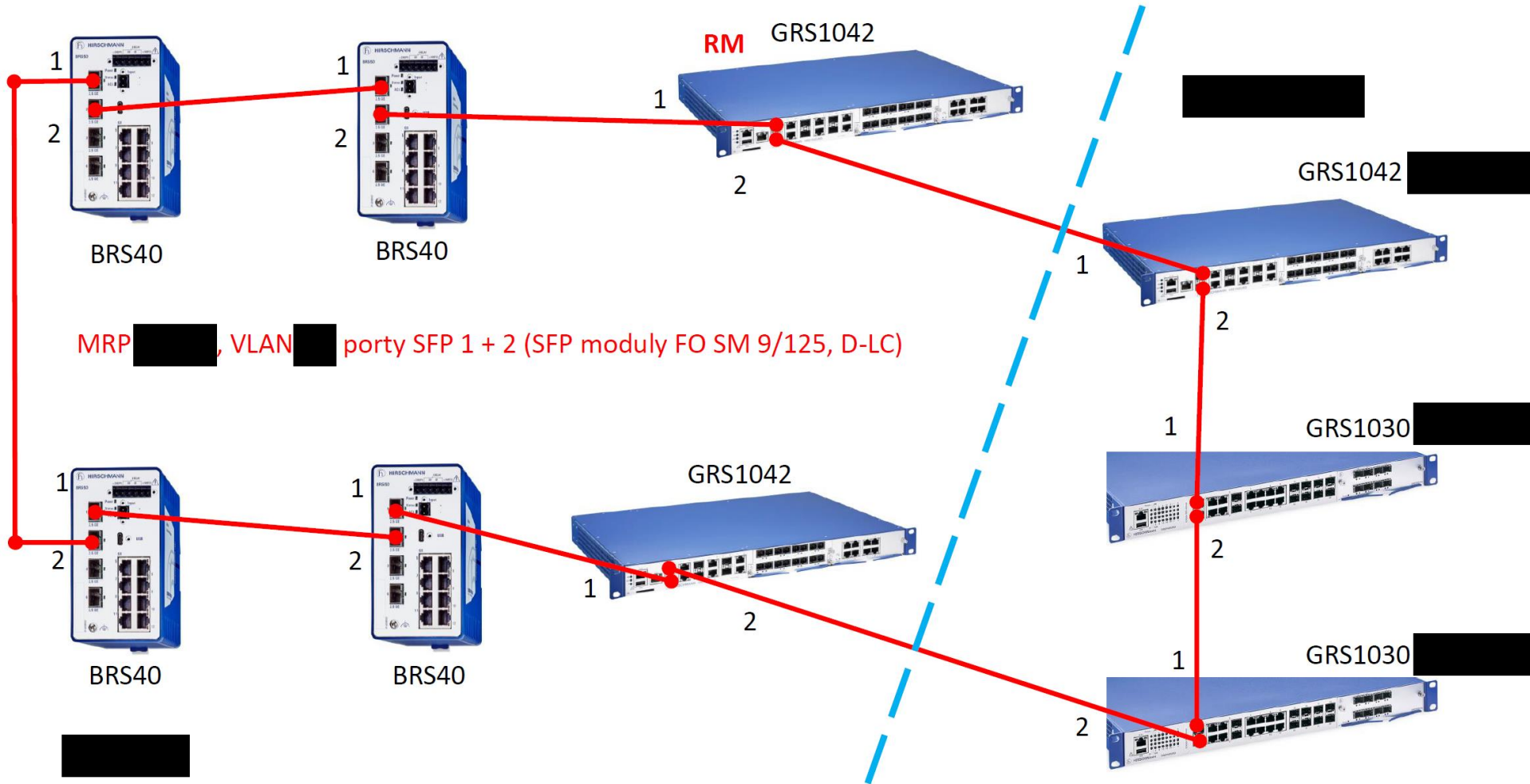
Mexiko, 2023/2024, pokračování ve 2025+

2025+



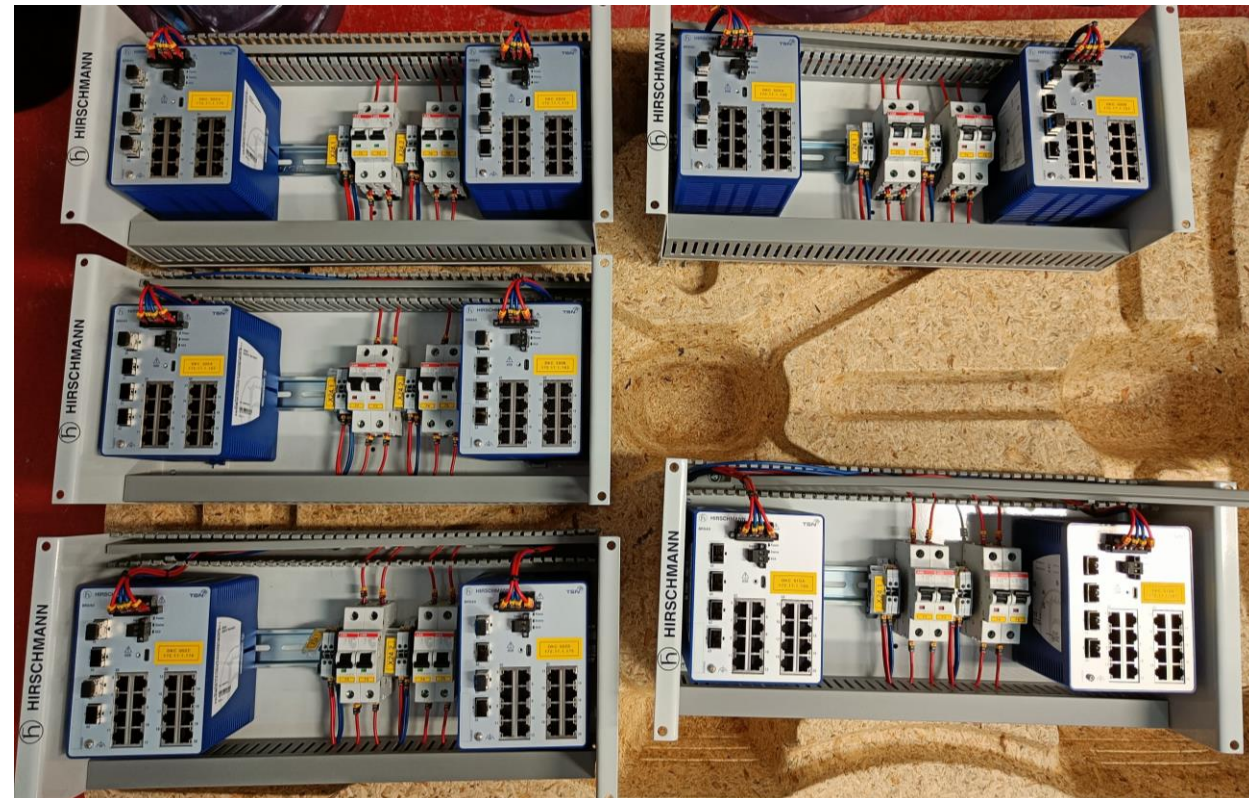
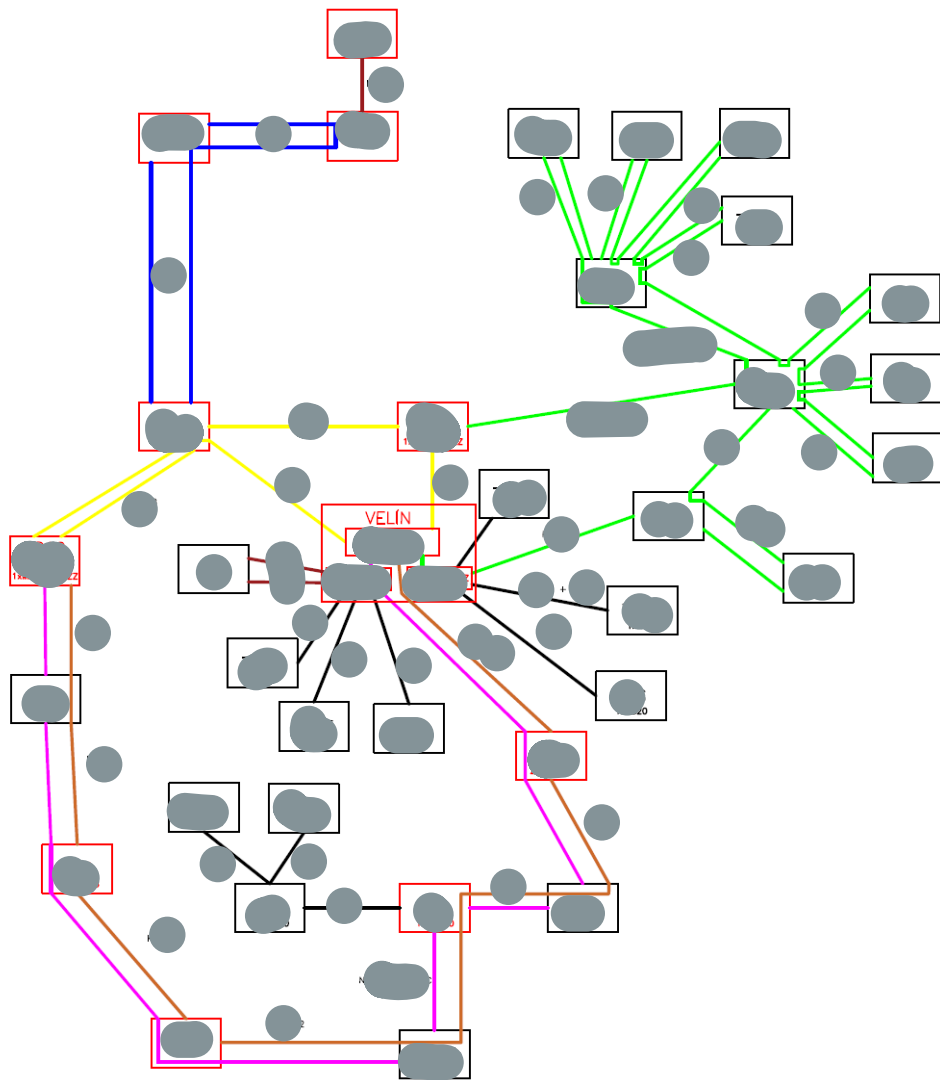
Mexiko, 2025+

Ne vždy je posun až tak velký...



Sénégal, 2023/2024

A když se posunete dál...



Anonymizováno, 2025+