



Diagnostics XXIV Conference

BW Building test chamber upgrade
at Prysmian MKM Balassagyarmat

2026.03.25

BALASSAGYARMAT- FACTORY OVERVIEW

Total Area: **265 546 sqm**

of which Covered: **36 500 sqm**



Yearly output 25': 51.900 cable tons

28.519 compound ton

Total sales 25': 247 M€

Number of the employees: 316 (38 WC)

PLANTS PRODUCT CAP ABILITIES

Existing plant capacity : 5000 tons of cable / month

2300 tons of PVC compound / month

400 tons of EPD Rubber compound / month



MV

1300 t



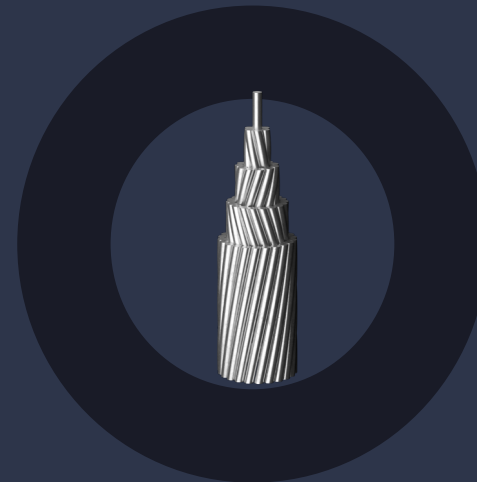
LV

2400 t



BWR

1000 t



Al Bare

200 t



Ins.OH

100 t

Ongoing project from 2025 – BW test field refurbishment

In 2025 November, the BW test field is being fully refurbished and upgraded from the former DC testing system to a modern AC-based testing technology. The upgrade significantly increases testing capacity, reduces cycle time, and improves overall reliability and data traceability.



AC technology – higher accuracy and reduced equipment stress

3-core simultaneous testing – x3 productivity

Improved data traceability & SAP system integration

Testing cycle time reduced by 60%

Modern safety and automation features

BW testing facility



Old DC measuring equipment



Pros:

- small equipment size

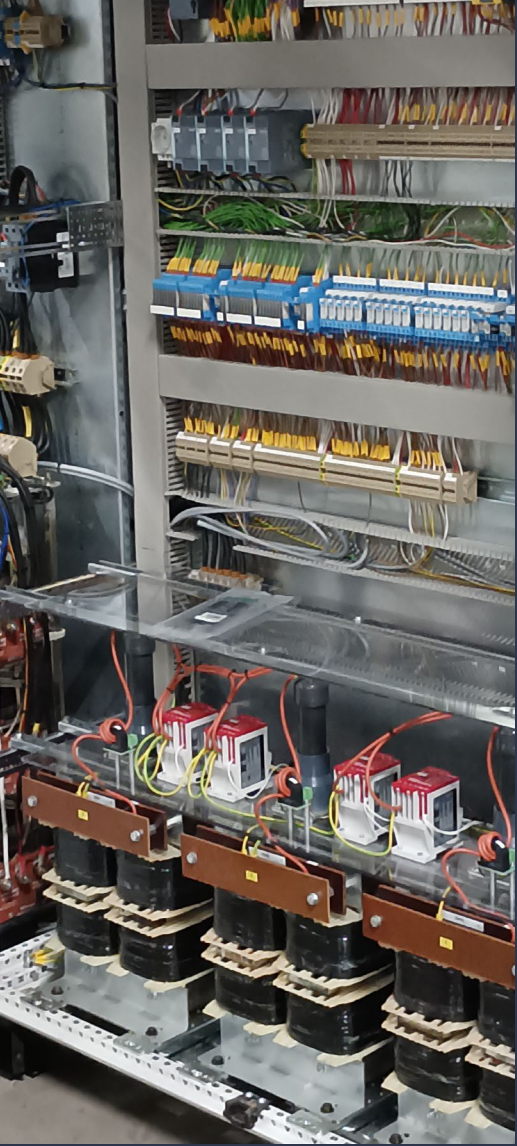
Cons:

- only 1 test / core is possible + testing time increased with the duration of electrical discharge
- low life expectancy of the relays because of the high on/off switching

New AC voltage measuring equipment



New AC voltage measuring equipment



Az elkészült új 3 fázisú szekrény

3x0...4kVvonalai feszültség

max. 4A

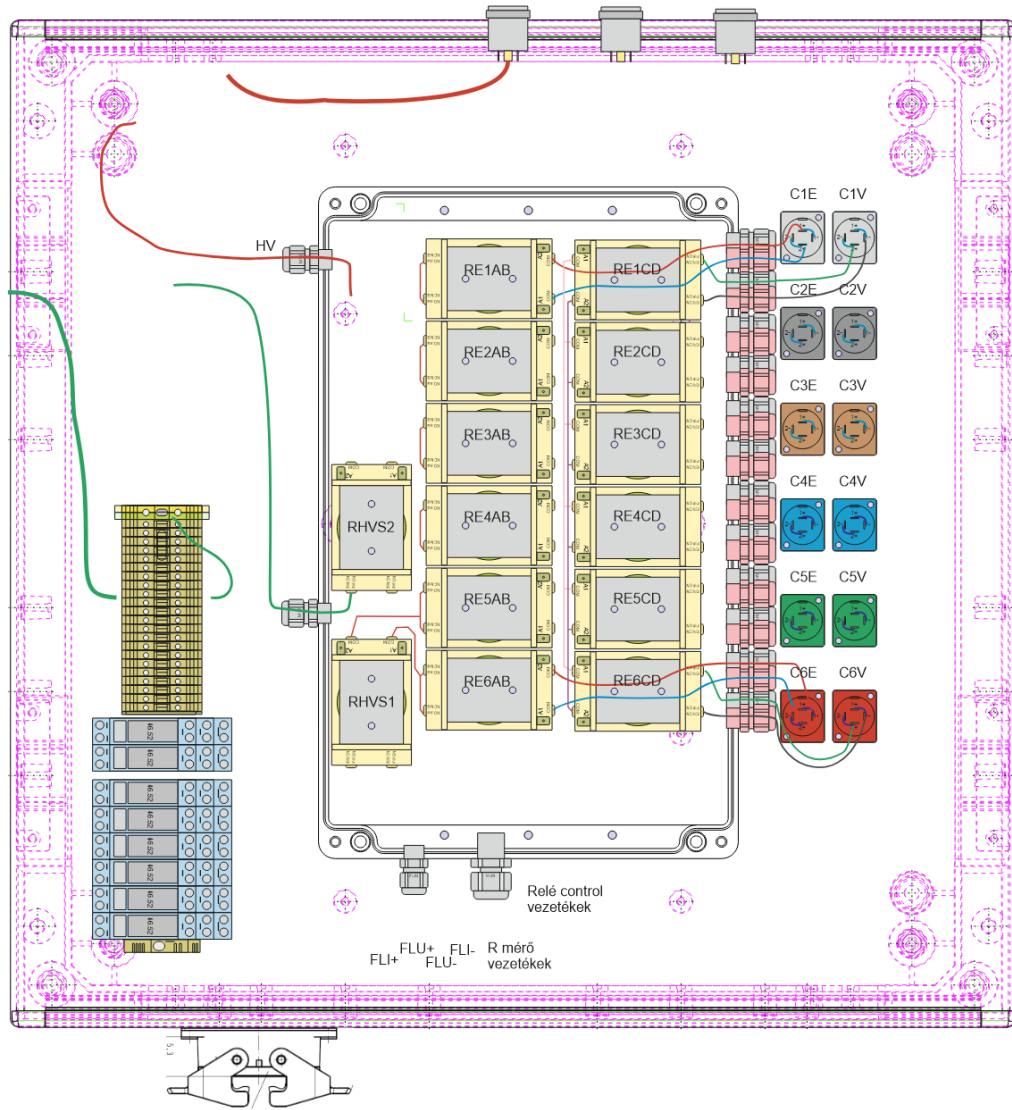


Redőnykapu ajtó érzékelés kihívásai



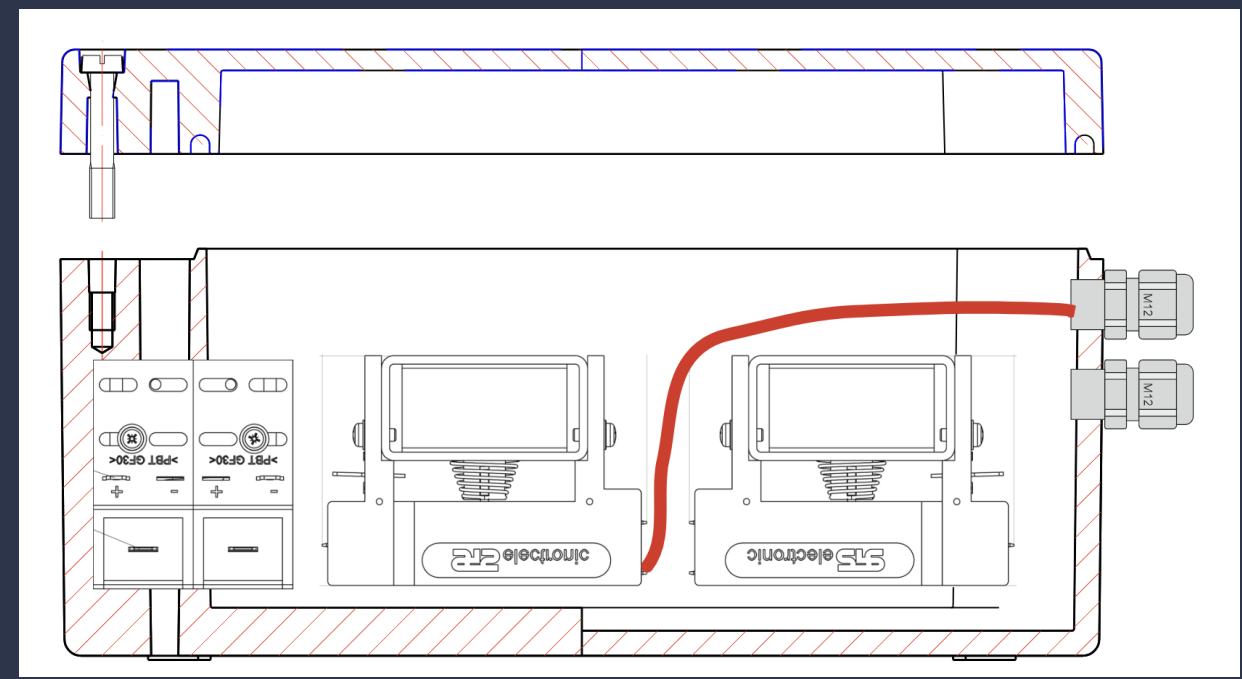
HV - be
L1 L2 L3

GND
Földelő
csavar

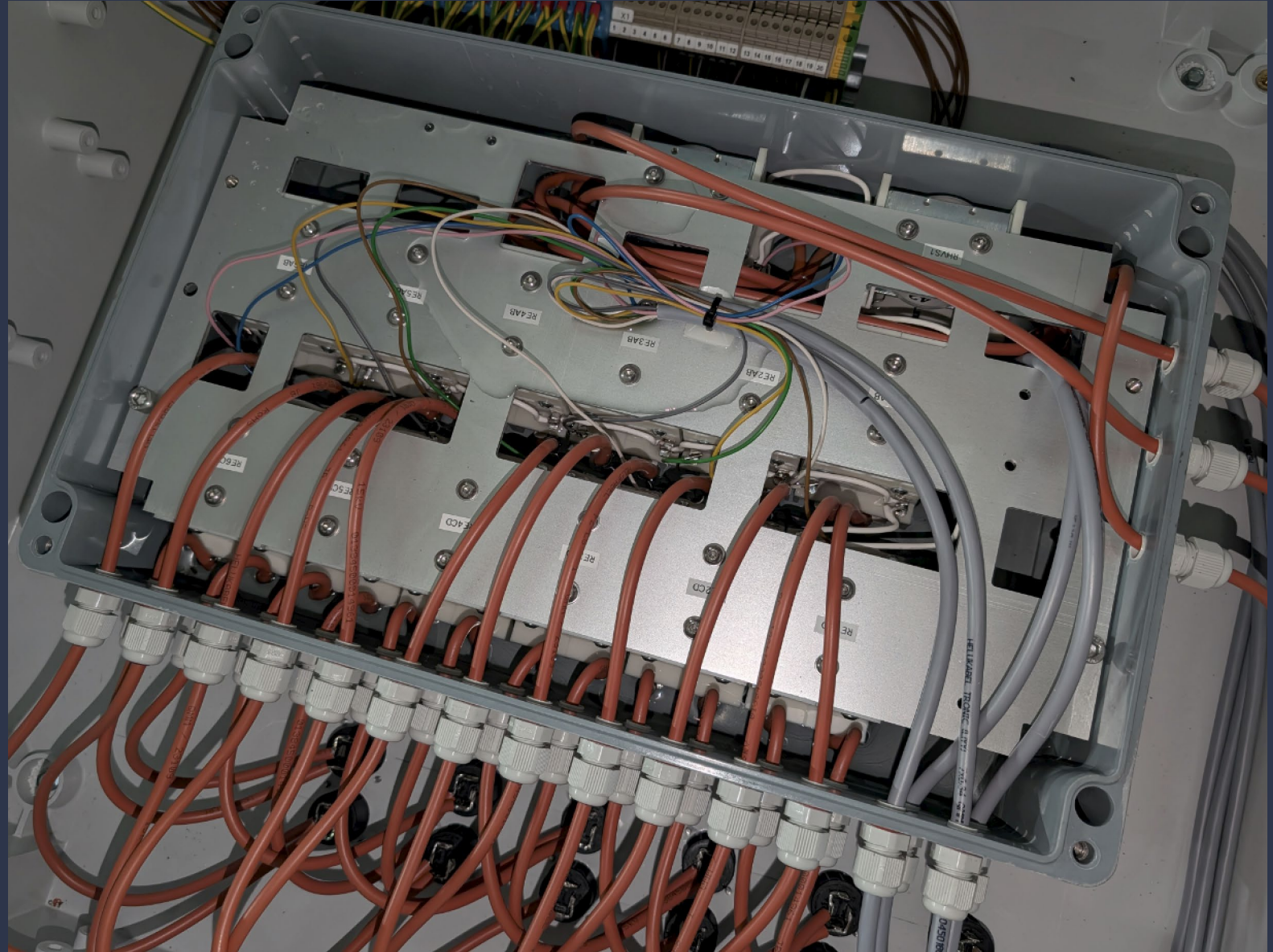


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- 2
- 3
- 4
- 5
- 6

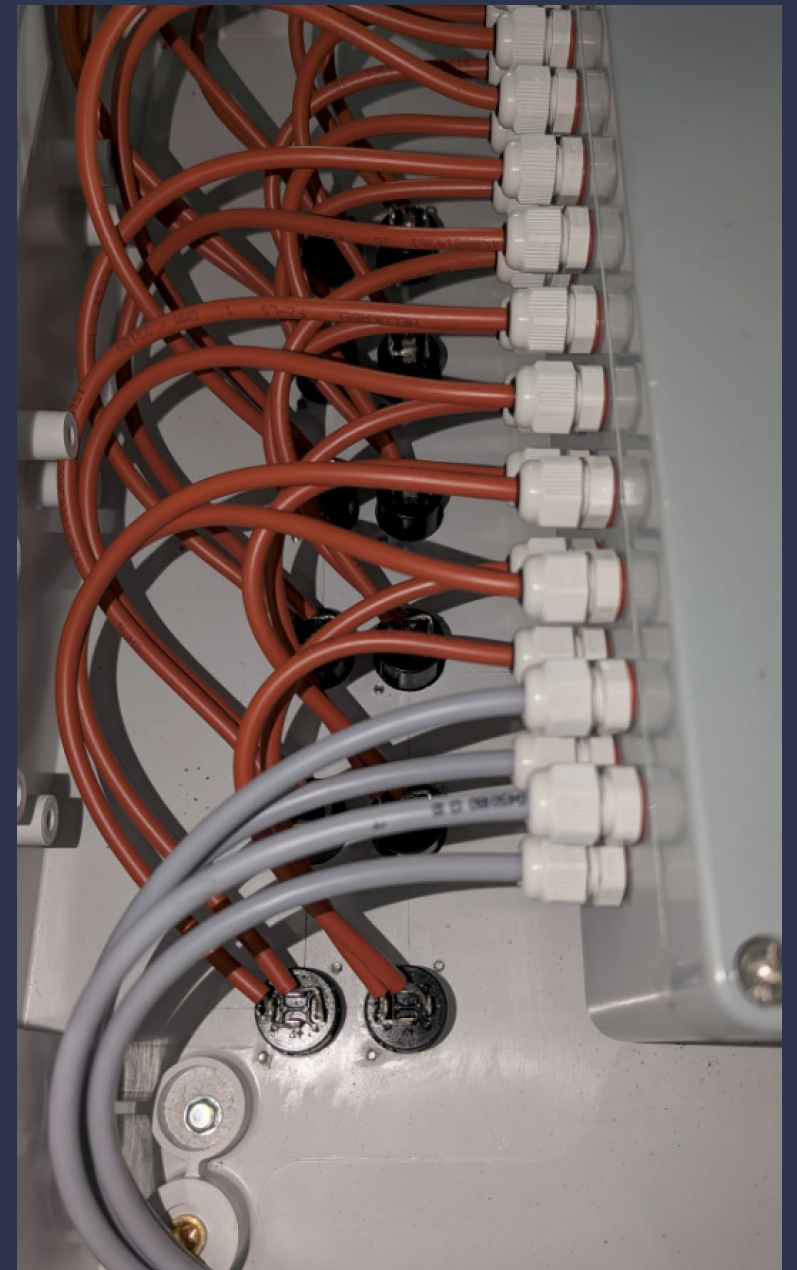
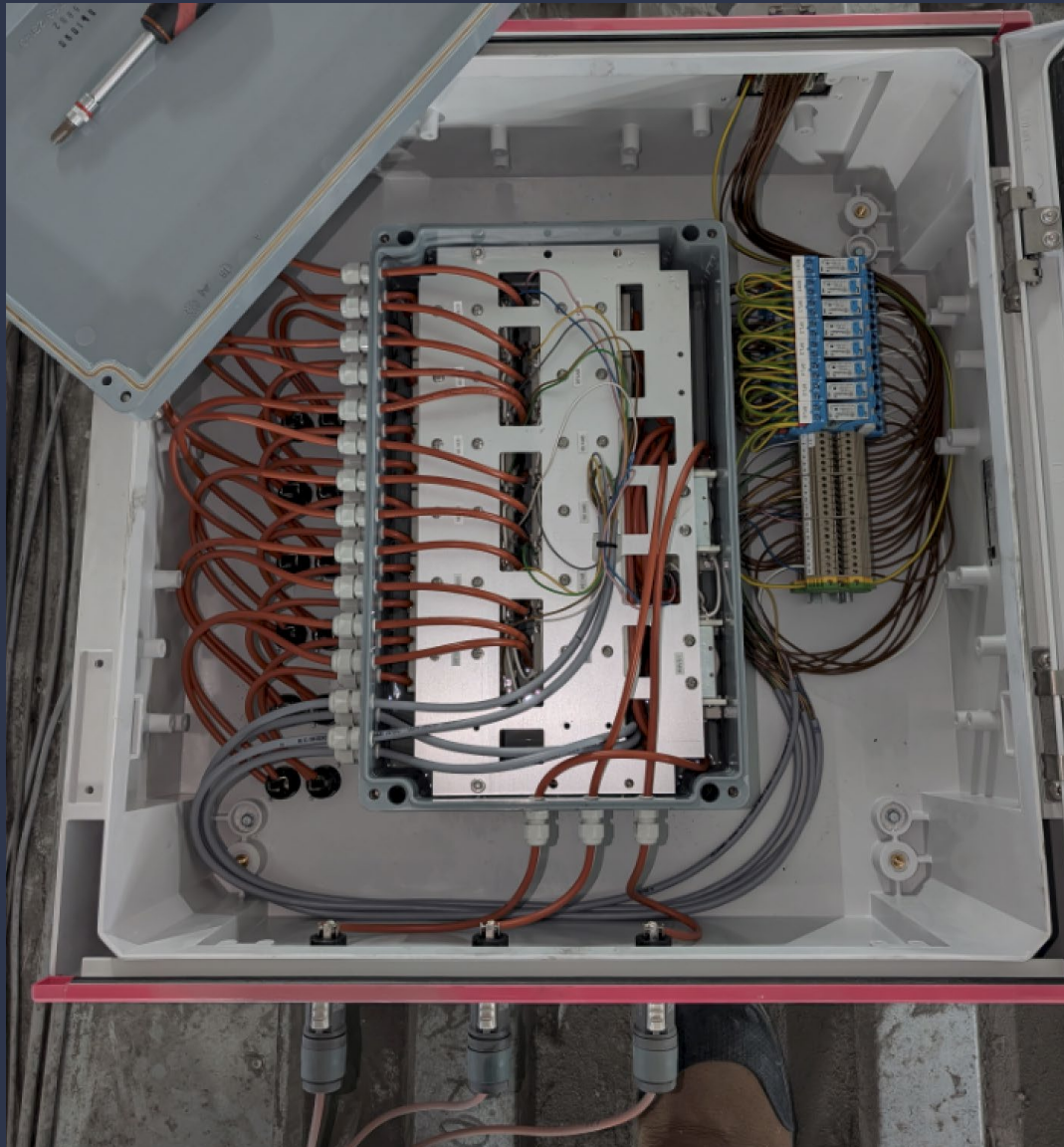
Kapcsoló mátrix



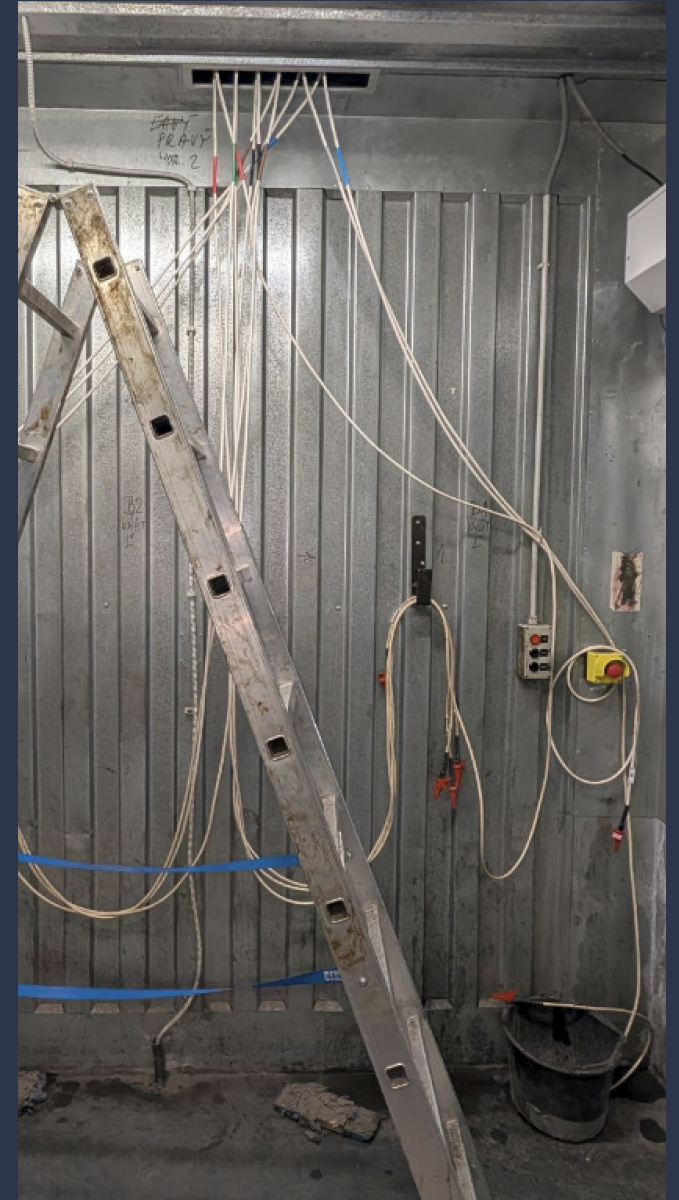
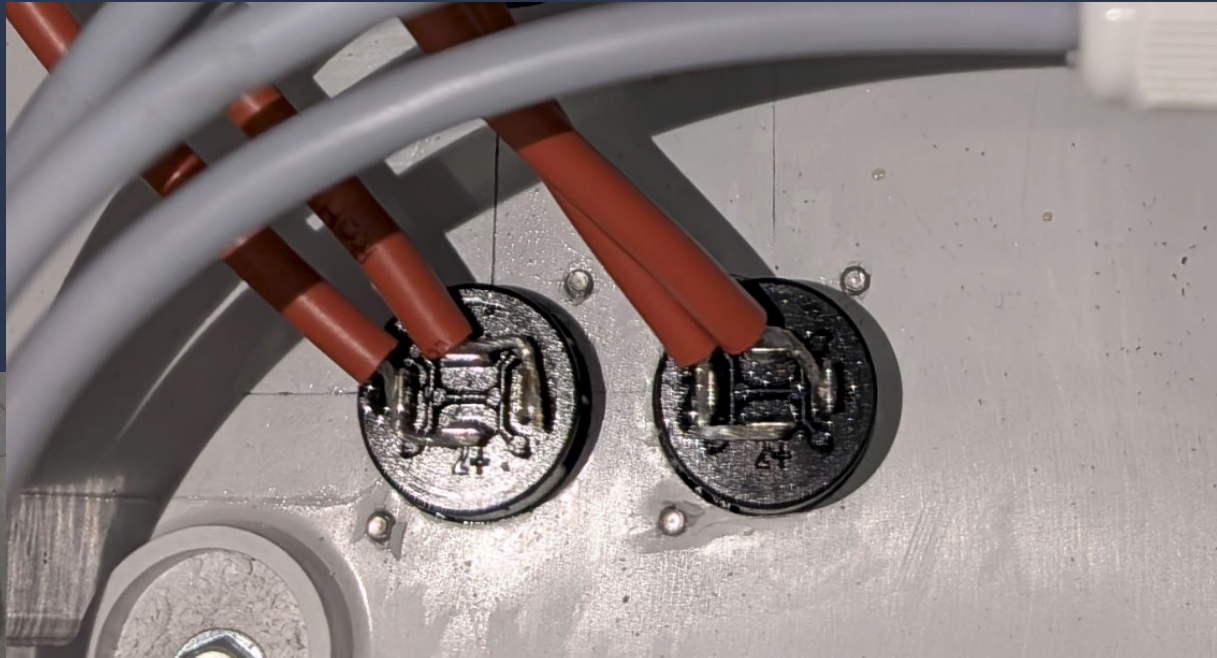
Kapcsoló mátrix



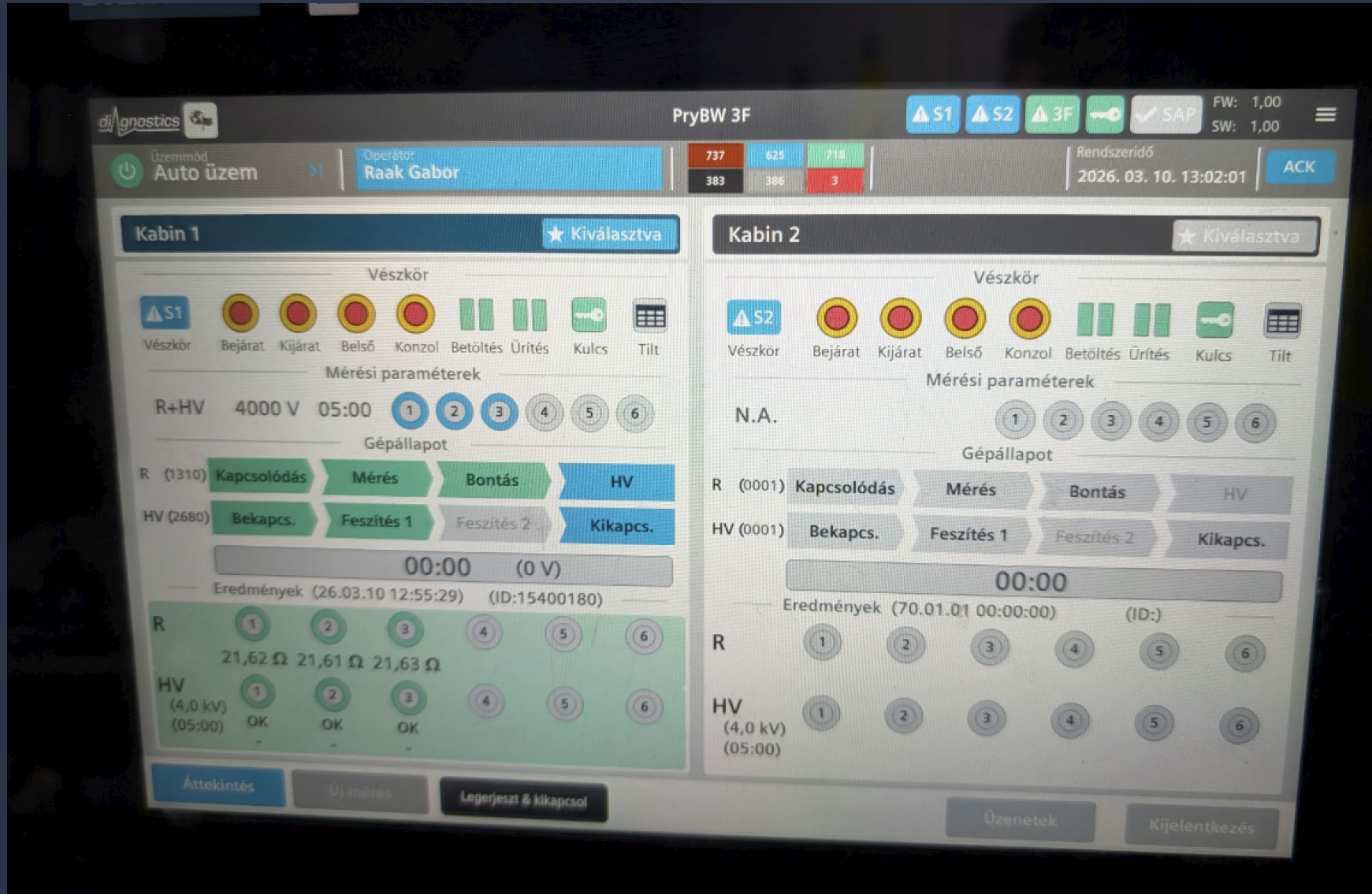
Olajszívargás



Olajszívárgás



Új kezelő felület



Thank you for your attention!