

MUOGRAPHERS

2026

Muon Vision @ Industry Panel

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Our applications in the mining world

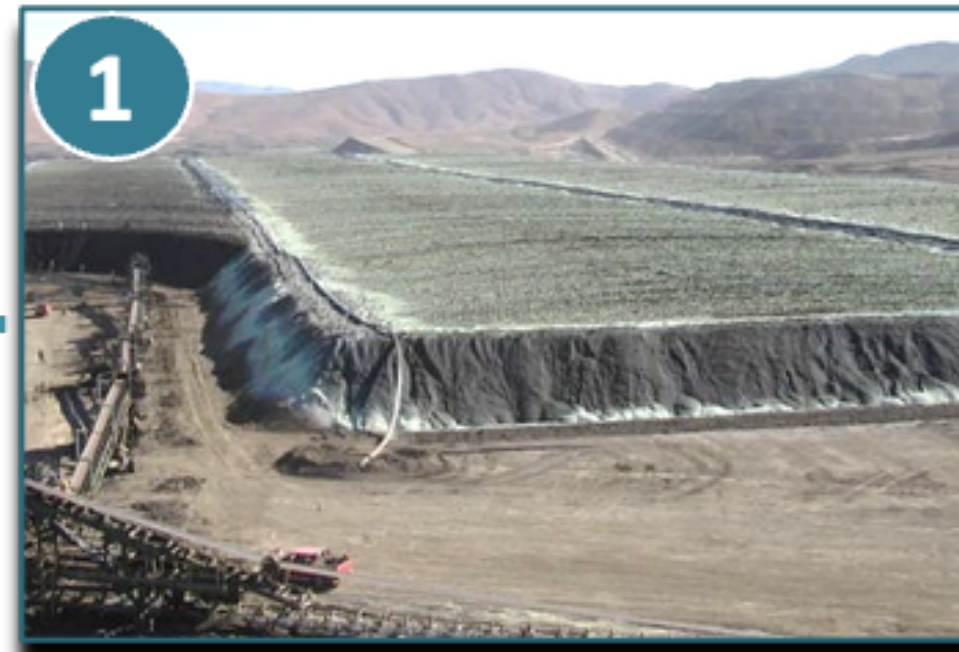


Recover

Optimize

Heap-Leaching

Measure 3D fluid content and porosity to increase productivity and reduce costs.



Mineral processing plants

Optimization & predictive maintenance of refineries, smelters and other critical equipment

Slope Stability

In-situ asset characterization and validation. Prevent catastrophic tailings failures.



Cavity Detection

Tunnel & cavity detection, underground block caving, mine exploration

Alert

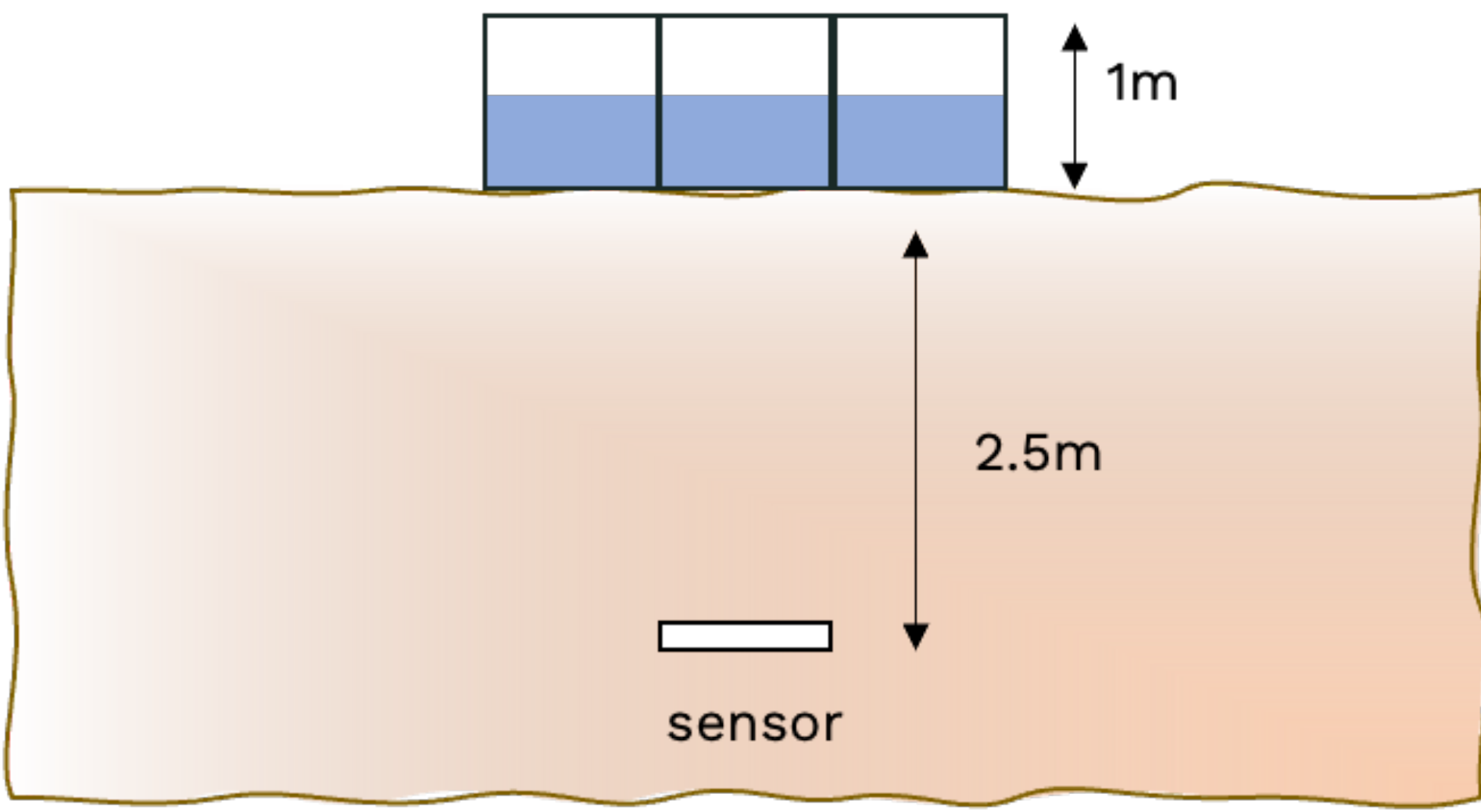
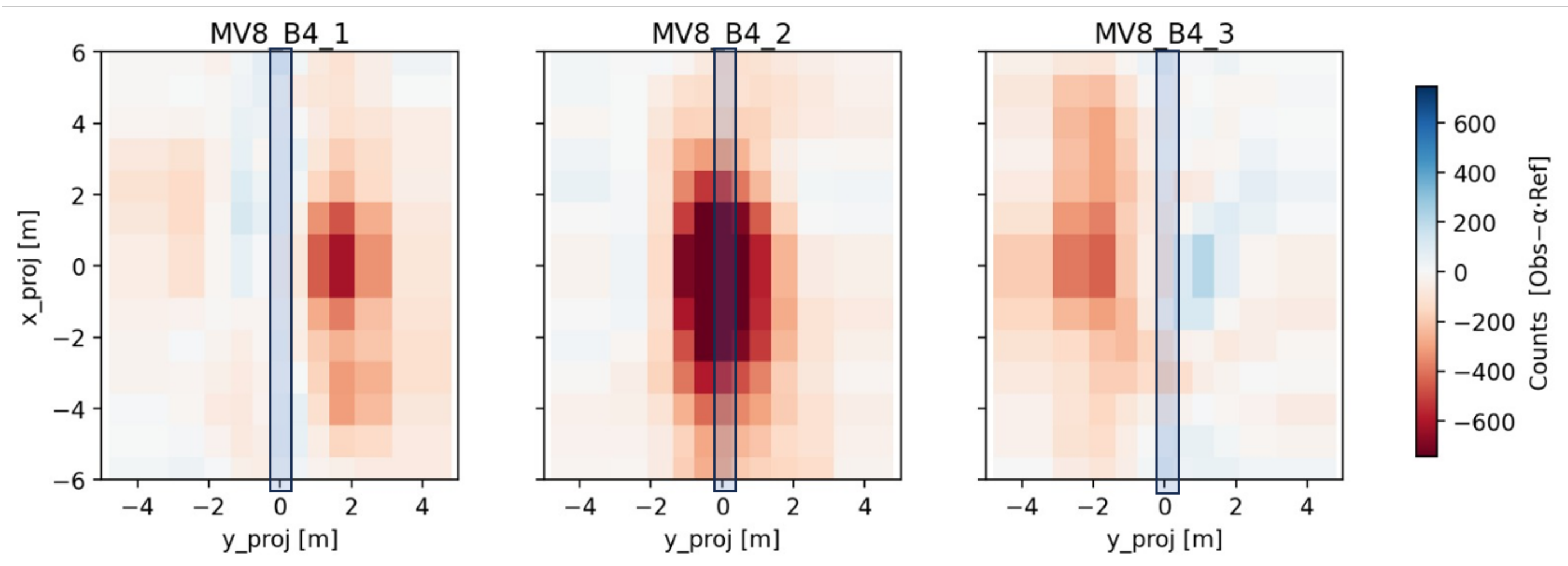
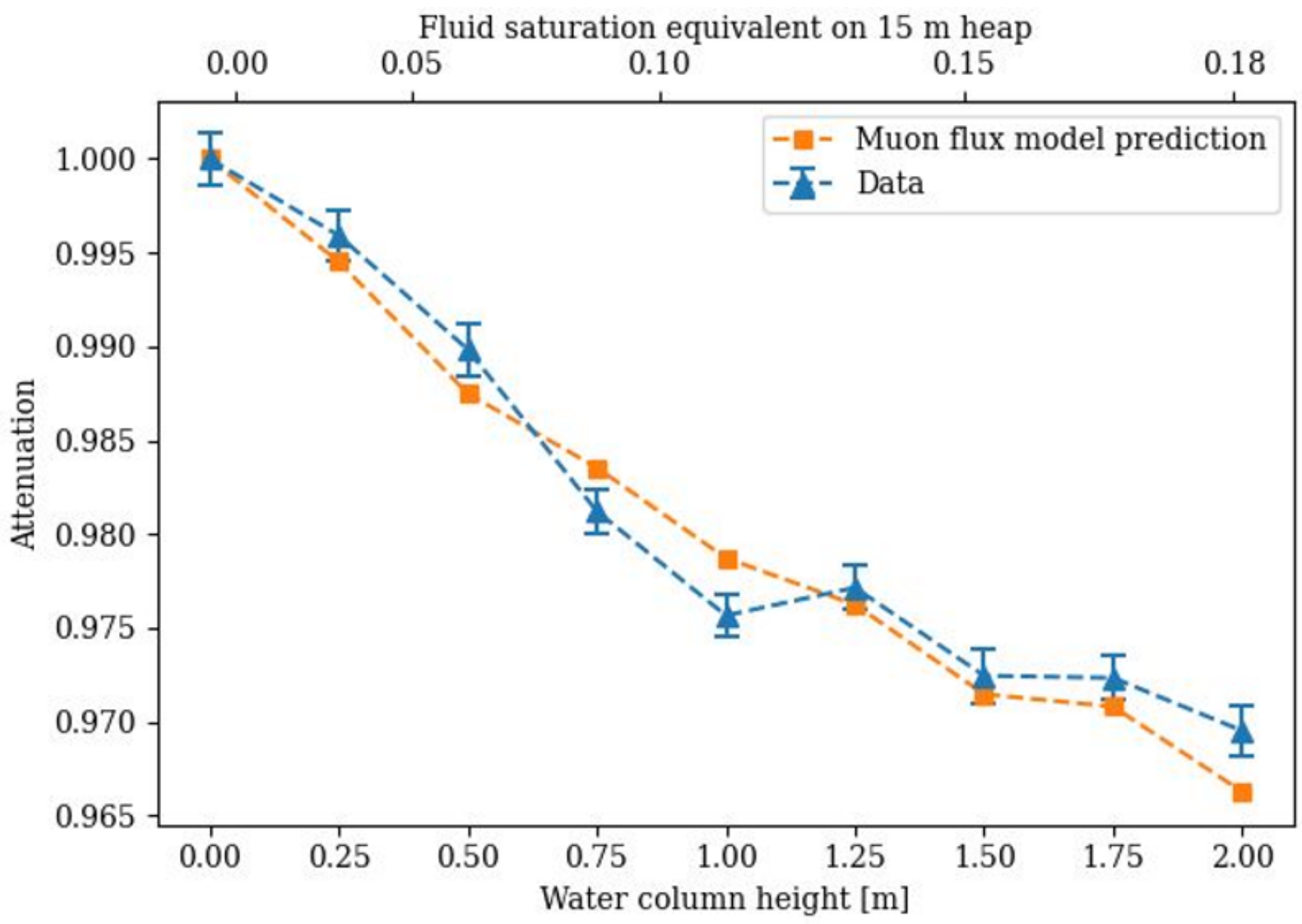
Detect

Validation of our technology: our demo facility



- Aim: mimic conditions at a mining asset
- Test our sensors in realistic conditions
 - Sensor quantitative and imaging capabilities
 - Sensors move: we test our positioning and orientation calibration
- Implement sensor movement tools:
 - Being hands-off pays off in mining

Validation of our technology: focus on fluid content quantification



Challenges, some of them on the field

- Need for boreholes or horizontal installations:
 - From \$300 to \$600 per meter and sometimes we also have to take care of drilling
 - Boreholes can be more expensive than the Muon Vision equipment
 - Spacing might not be always ideal
 - Sour and wet environments: casing requirements
 - Large assets: remotization
 - Challenging setups to do 3D quantitative density maps
- Demanding pitch:
 - We need to convince a customer who built a business w/o us.
 - Sometimes show the technology for free (pilots)
 - These pilots even if concise should tie always back to economic value
 - Increased recovery
 - Dead time reduction

Feel free to inquire our CEO, Tancredi, anytime: tbotto@muonvision.com