

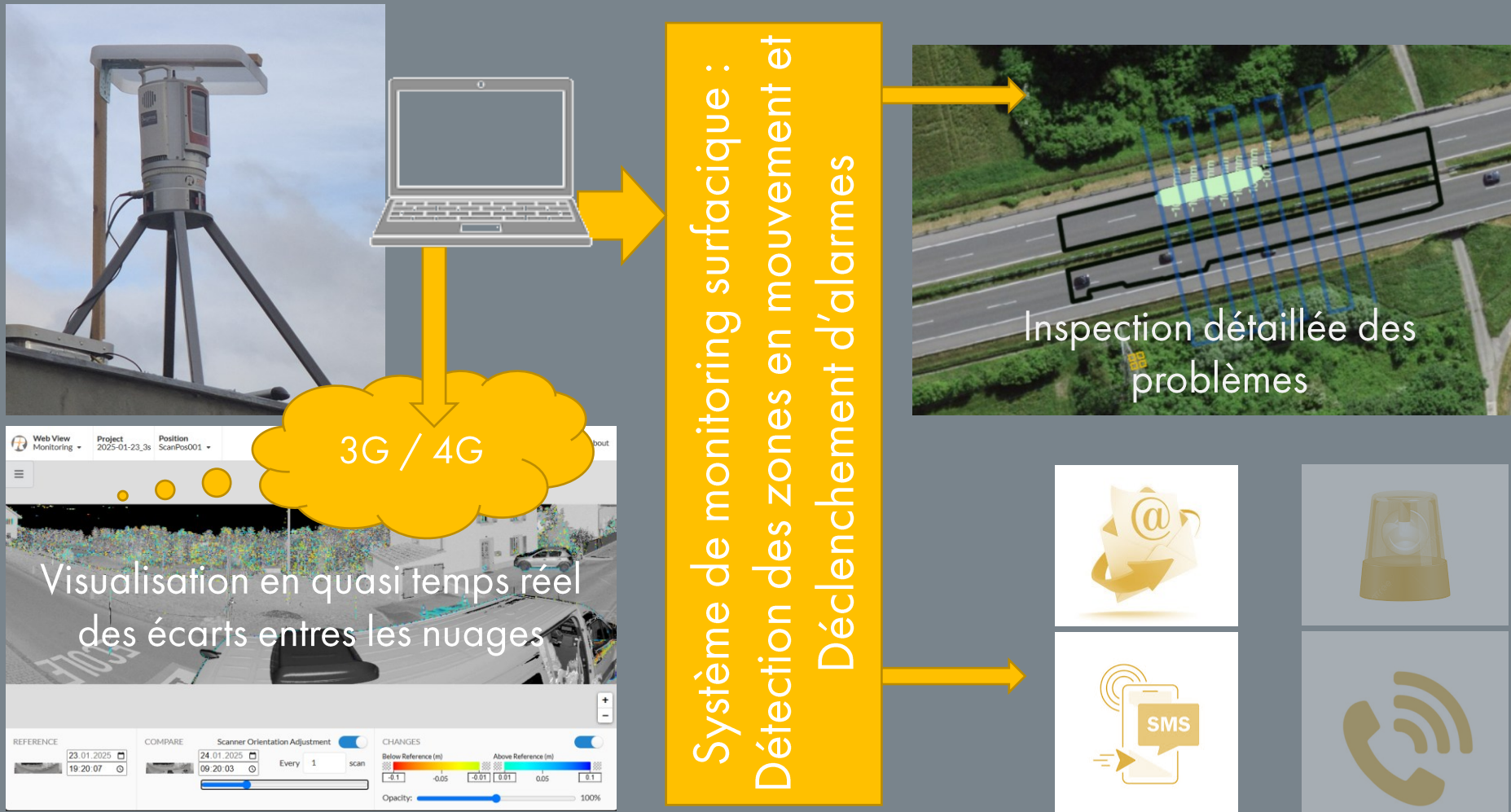
Surface Survey Scan

Monitoring surfacique avec un scanner laser terrestre

Vincent Barras

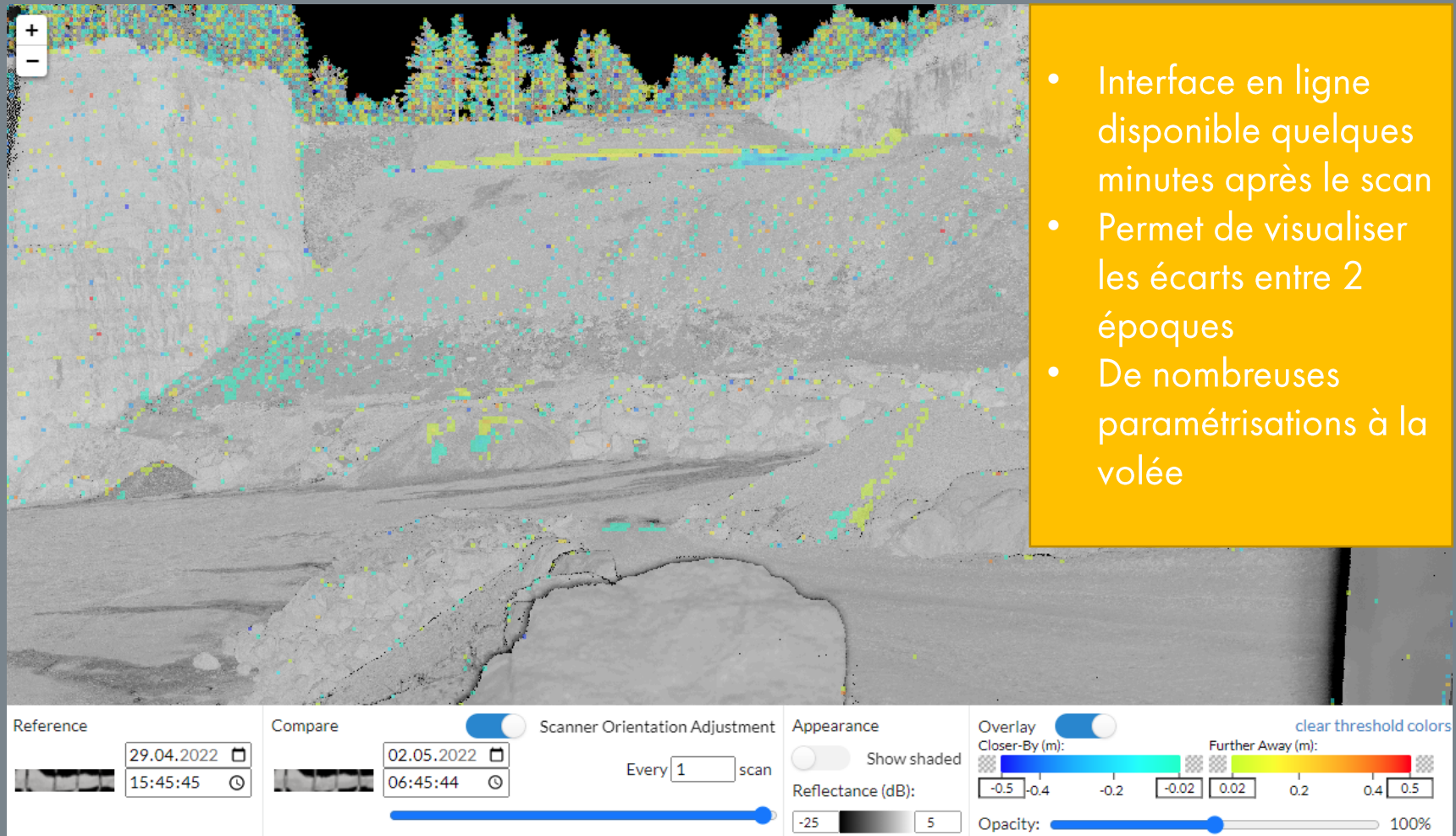
3 Monitoring Surface Survey Scan

Une solution pour un monitoring sans matérialisation



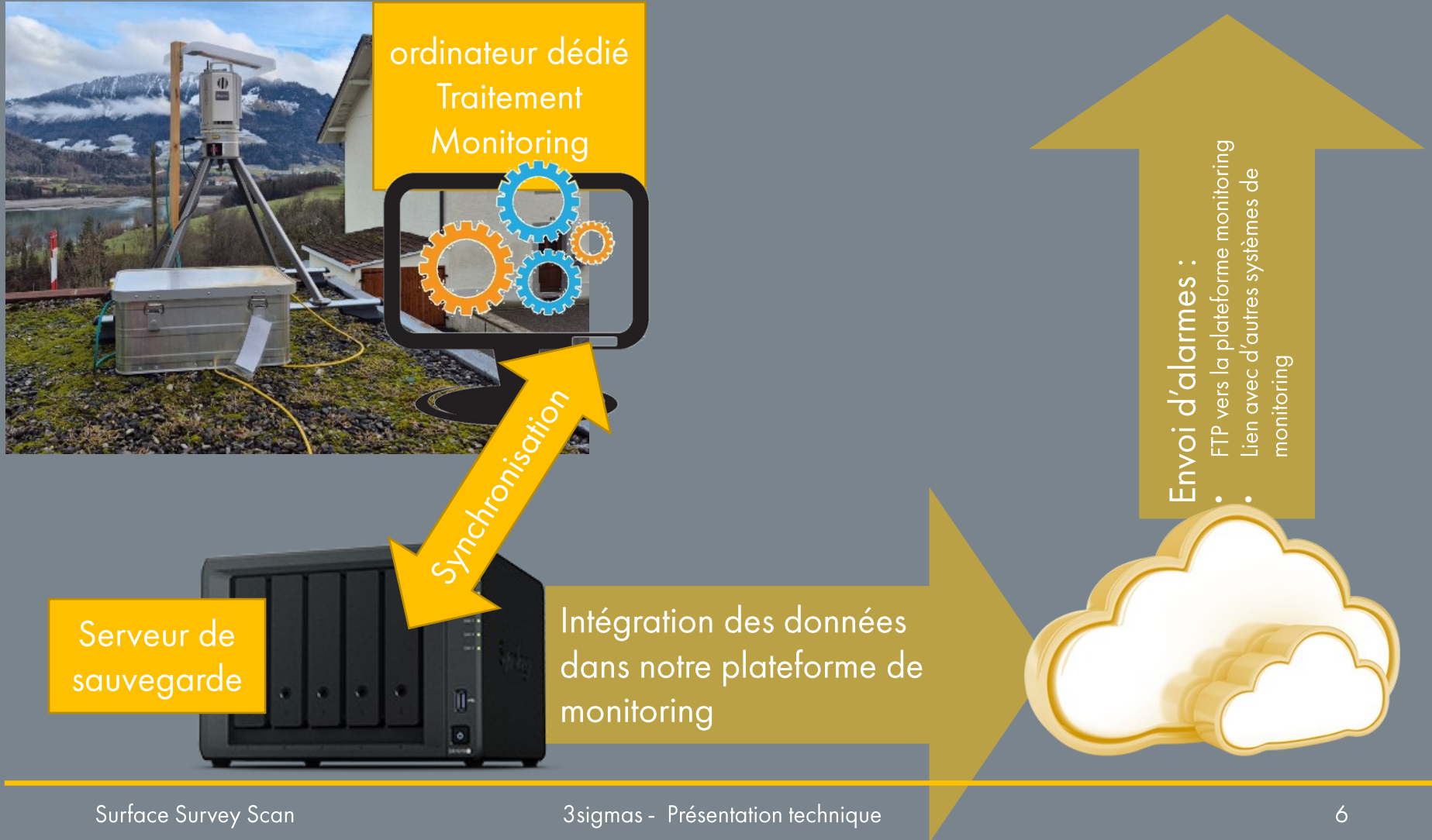
3 Monitoring Surface Survey Scan

Visualisation : résultat immédiat brut



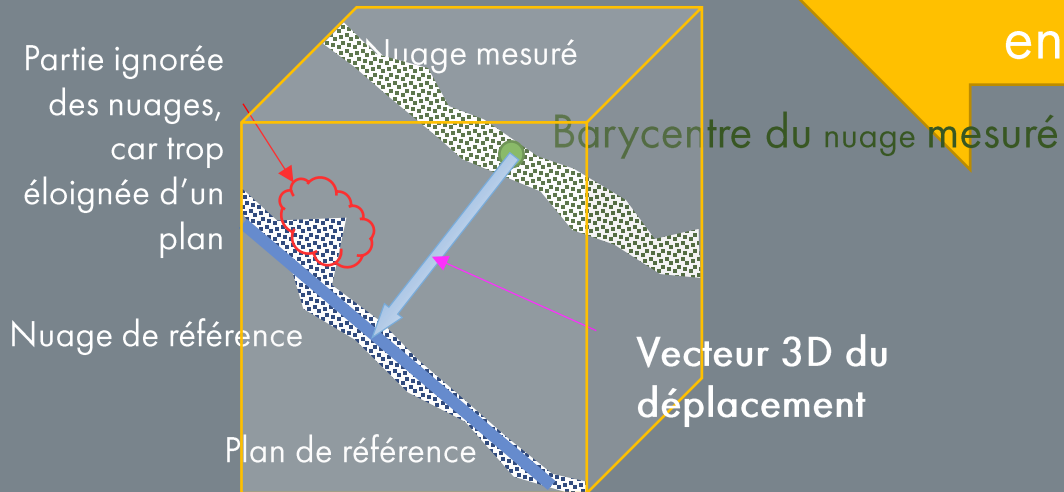
3 Monitoring Surface Survey Scan

Infrastructure



3 Monitoring Surface Survey Scan

Principe de calcul



1) Calcul des points en mouvement

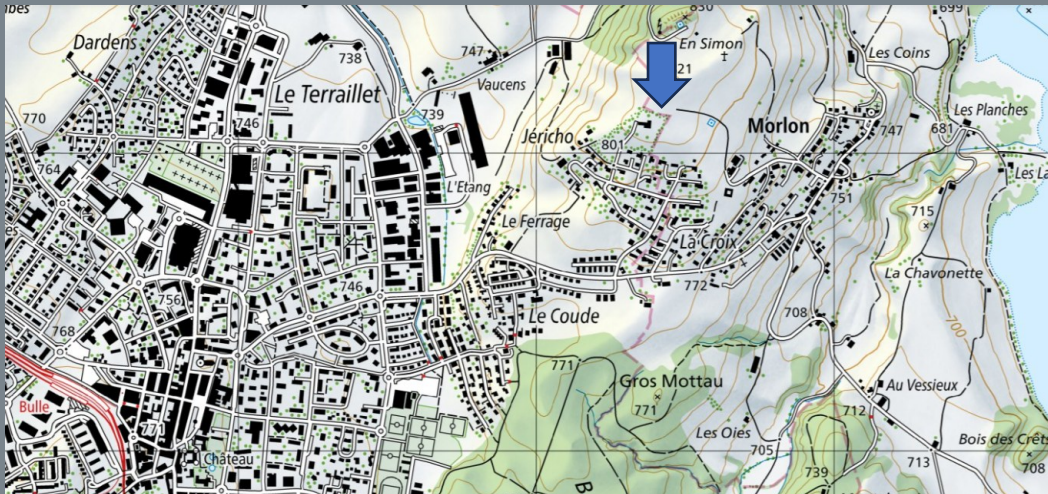


2) Détection des points alarmant



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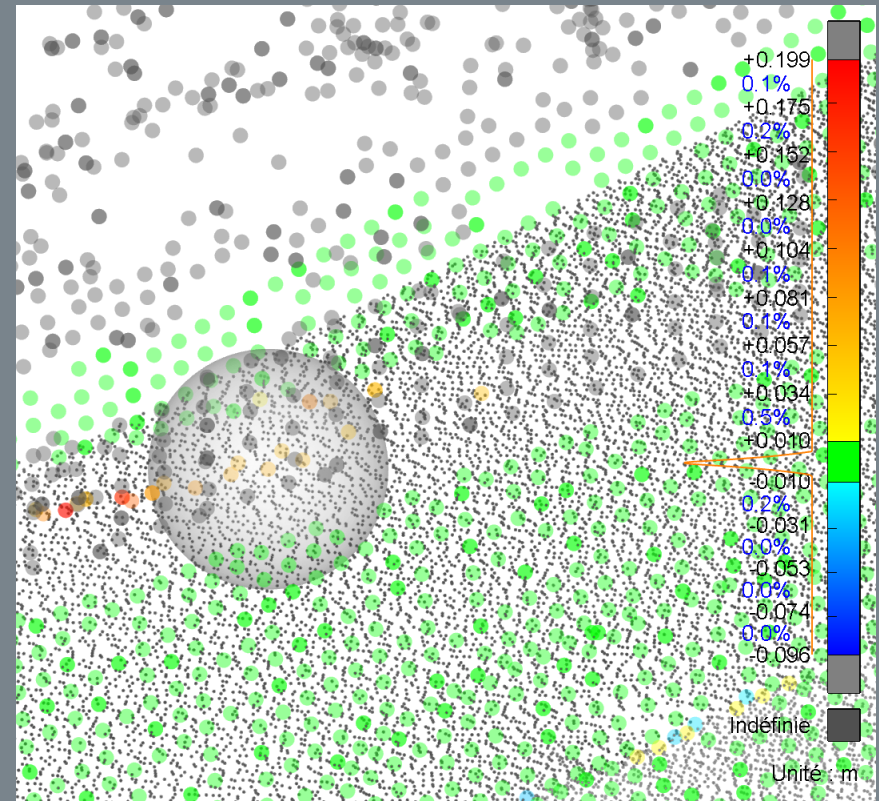
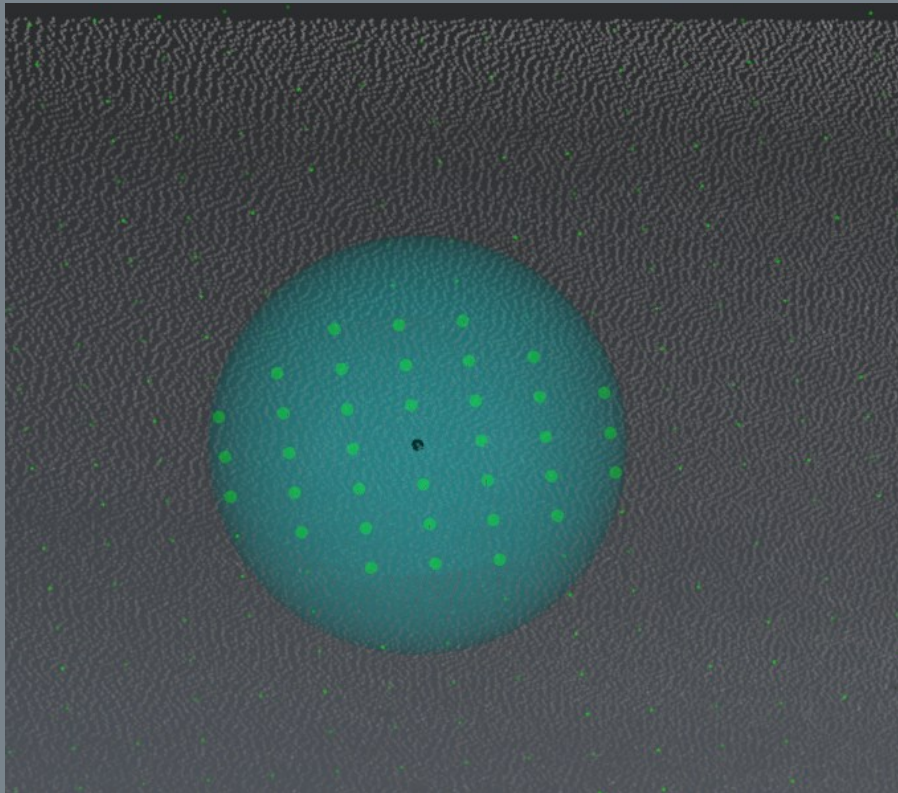
Test 23.01.2025 – 26.01. - Morlon2025



3 Monitoring Surface Survey Scan

Test 23.01.2025 – 26.01. - Morlon2025

Filtrage : pt. Alarme si ≥ 12 des 36 points dans la sphère de 0.65m sont entre 0.01m et 0.20m

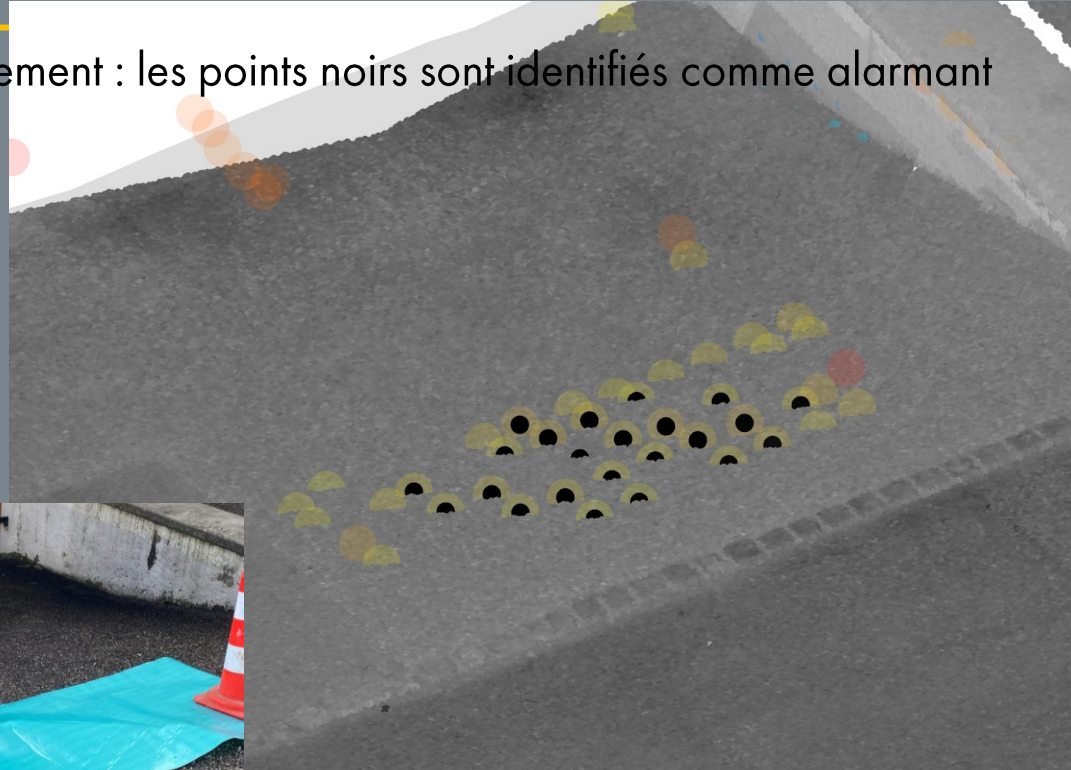


3 Monitoring Surface Survey Scan

Test 23.01.2025 – 26.01. - Morlon2025

Numéro	▼ Ecart	▼
301_47_3		0.02
303_44_3		0.01
305_45_3		0.04
302_46_3		0.02
304_46_3		0.05
304_46_3		0.03
306_44_3		0.05
305_45_3		0.04
306_45_3		0.01
305_46_3		0.01
307_46_3		0.03
302_47_3		0.05
303_47_3		0.04
304_47_3		0.01
302_48_3		0.02
303_48_3		0.01
305_47_3		0.01
306_47_3		0.03
307_47_3		0.02
305_48_3		0.01
306_48_3		0.01
308_45_3		0.02
308_46_3		0.02

Détection de mouvement : les points noirs sont identifiés comme alarmant



3 Monitoring Surface Survey Scan

Démonstration

<https://3sigmas.ch/visualisation>



Surface Survey Scan – monitoring

Mot de passe : Démo



3sigmas une équipe

Des solutions ingénieuses pour vos mesures techniques

