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Protecting
Our World,
Conquering
New Frontiers

Transport

Advancements in Autonomous and Automated Geodetic Deformation Monitoring

Lidija Špiranec









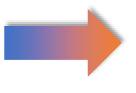


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Why & When is railway monitoring needed?

- Increasing speed & frequency
- Nearby construction
- Natural hazard threat
- Geological instability
- Structural health (age)
- Deformation monitoring



- Safety threat to passengers and rail vicinity
- Economic losses for operators



- Increase safety
- Mitigate risks





Organized Bu









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Our mission in railway

- Safety
- Sustainability
- Automation & Autonomy
- Reliable information

- when it has to be right











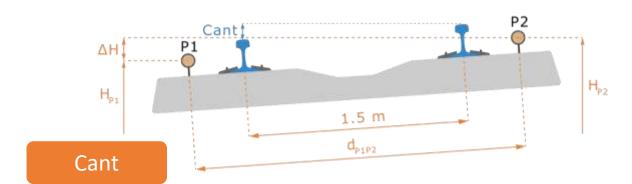


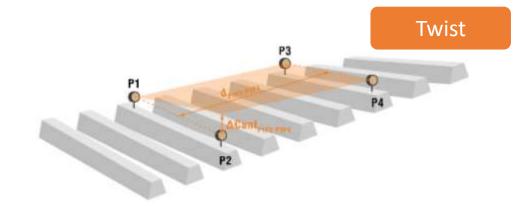


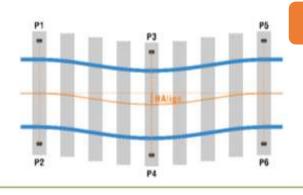
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Railway track geometry



















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Monitoring technologies







Others...











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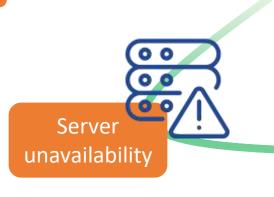
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Path from data to information



















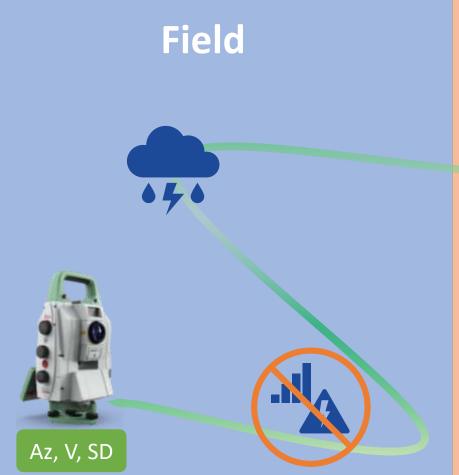






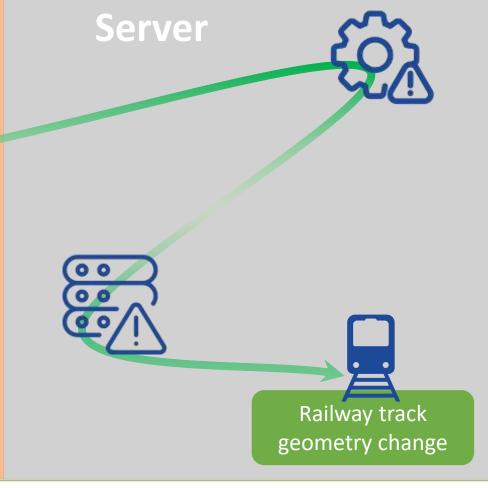
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Cloud











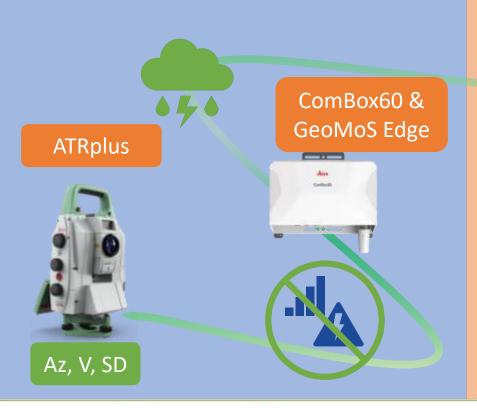




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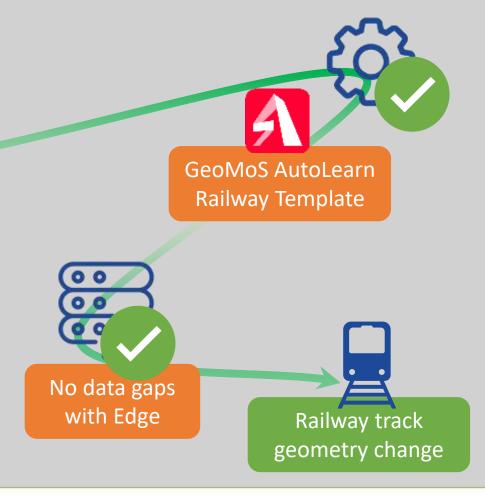
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Intelligence in every step





Automated & Autonomous deformation monitoring











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