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Automated Monitoring System Damage Detection on Mine Roads & Road Edges

- Detection, localization and prediction of damage on the mine road using algorithms of computer vision and machine learning to avoid the potential landslides
- Expected synergies and complementarities
 - During one day, the dump trucks drive through the mine 10-times each. By parallel gathering of vision data the effort of additional radar use due to security reasons is reduced
- Outcomes
 - An automated, vision-based monitoring system for detection, localization, evaluation and prediction of damages on the road
- Partners already identified
 - Institute for Mineral Resources Machine Technology in Aachen
- Wanted additional partners
 - Manufacturers of dump trucks, operators of mines



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