



Automated port gate operations with video analytics - 5GVIIMA Trialing in Port of Oulu

Executed by Kateryna Chumachenko Tampere University and Port of Oulu Ltd

Location Port of Oulu - Oritkari port gate area in March 2021

Setup Dahua IP Ecosavvy cameras, Tosibox with Virtual Lock & MS Azure cloud connection

Connectivity Private LTE





car 2 0.63



car 1 0.79



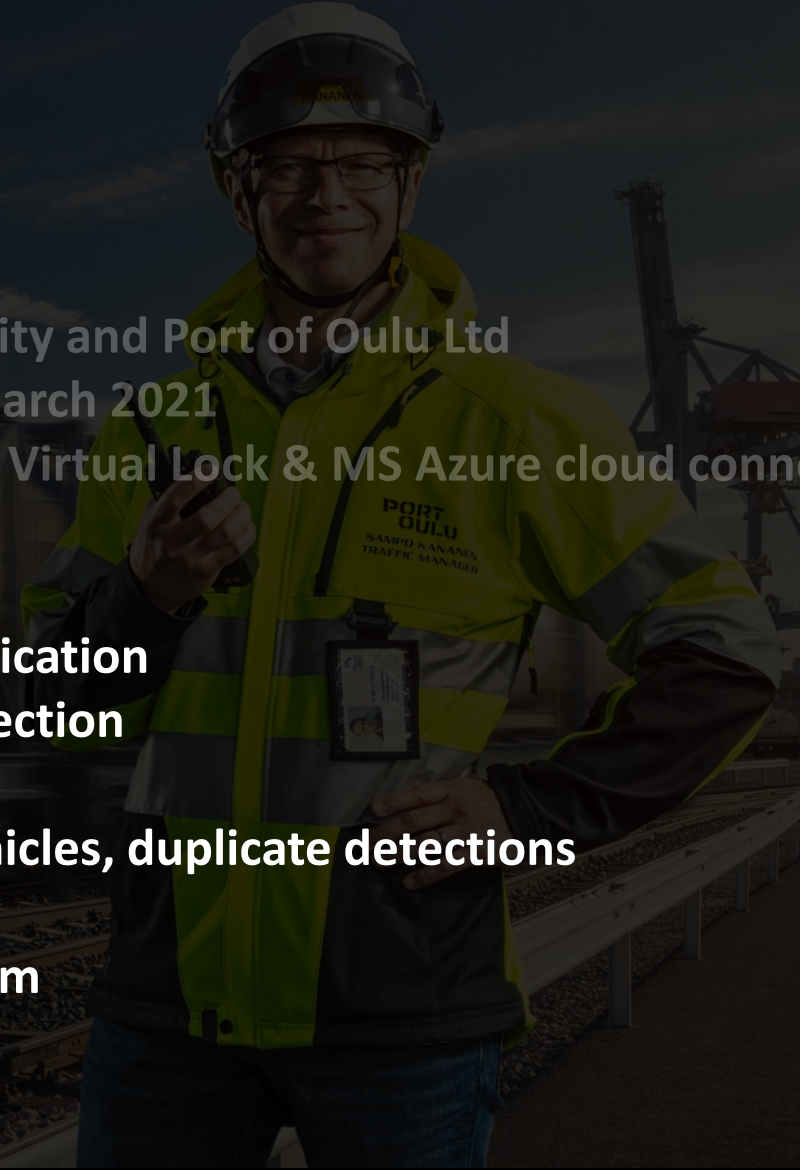


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Focus Vehicle tracking, identification and classification
- license plate recognition and object detection

Results Full matches, partial matches, missed vehicles, duplicate detections
- reasons for false or missed detections
- comparisons with the current gate system





Thank You **PORT OULU**

