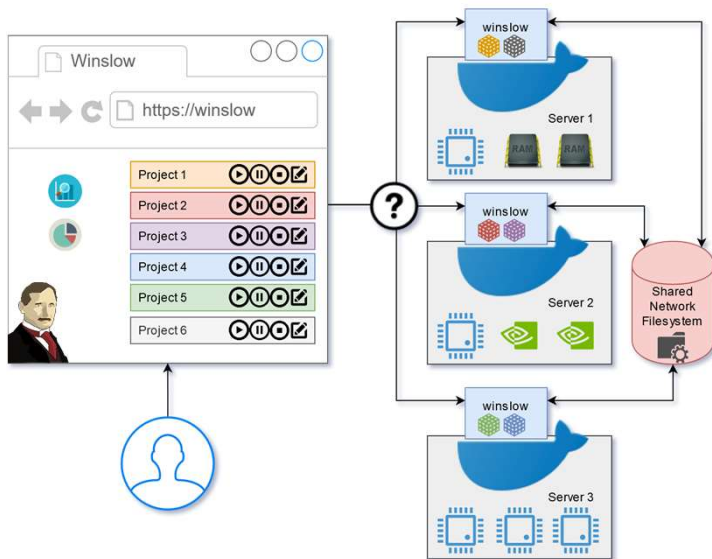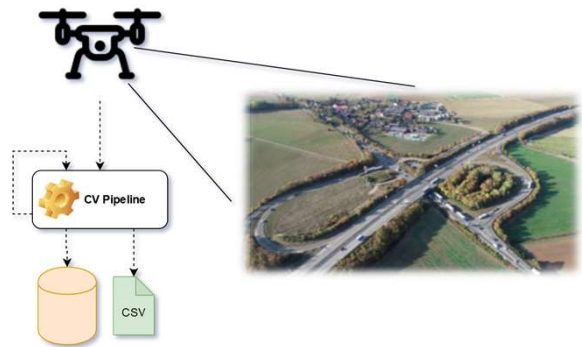# Conception and realization of a distributed and automated computer vision pipeline
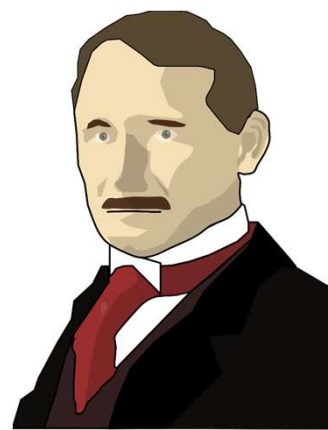
Context of the project: Existing Application

- Utilizing Computer Vision and Artificial Intelligence for vehicle recognition
- Tracking vehicles throughout videos to determine speed, size and position
- Calculate de-/acceleration
- Visualize detected vehicles
- Provide data for traffic flow analysis in other projects

Project Aims and Objective

- Automatically distributed computer vision jobs onto computing nodes
- Provide multi-project management
- Utilize hardware acceleration
- Monitor and balance hardware usage

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Results, Evaluation and Analysis of the experimental work

Project Plan (timeline)

Aims and Objectives

Description of experimental work

Conclusion