



# GREENWOOD ENGINEERING AI - INVENTORY DETECTION

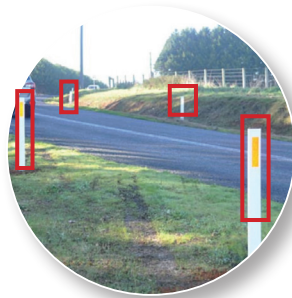
Automatic detection and recognition of traffic signs plays a crucial role in management of traffic-sign inventory. It provides an accurate and timely way managing traffic-sign inventory with only minimal human effort.

Greenwood Engineering's AI - Inventory Detection system detects traffic signs, reflective poles, traffic lights and crash barriers via front facing cameras and gives each asset a GPS coordinate. This automatically generates a map of the location of each asset as well an image.

## The AI-Inventory Detection system detects:



Traffic/Road signs



Reflective poles



Traffic lights



Crash barriers

The software utilizes state-of-the-art machine learning algorithms and large quantities of image data. These algorithms look at the data and create a mathematical understanding of what an object looks like. Later it can use this knowledge to automatically detect the assets in new footage.

The AI – Inventory Detection software is part of Greenwood's new AI software initiative: Greenwood Data Mining.

Greenwood Engineering customizes the equipment to suit your requirements and can be retrofitted to a Traffic Speed Deflectometer (TSD), Profiler or other vehicles.



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