**Problem**
During car manufacturing process a logo shield may be wrongly placed causing delay on production time, quality problems and sometimes the need to repaint the vehicle.

**5G Applicability**
Implement a video analytics solution transmitting images in real-time over the 5G network, so the monitoring team can be alerted as soon as a wrong logo shield is detected, allowing them to take action to fix the issue.

**Expected Results**
- Process Automation
- Improve data capture and analytics information regarding the production line

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**On-Premise Private Network**

Manufacturing Line

Ethernet connection (PoE)

3.5GHz (N78)

gNB

N3

N6

N2

N4

N5

N1

Number of cars inspected on Nov 13th – total of 1,148 cars

Statistics per hour and per vehicle model

AI Based Video Analytics Platform - Results

Analysis detail for a specific vehicle showing logos/tags identified, Model & Version of the vehicle, reliability level of AI model, and date & time

Detailed Statistics of pre-selected date and hour showing how many detections of each model were performed and the reliability level of the AI model.