

Automotive Damage/ Condition Analysis

Fortune 1000 automotive company using AI to assess damaged vehicles

- Bounding boxes, key points, polygons, splines
- Semantic segmentation
- Video annotation
- Large taxonomy application
- ML-assisted pre-labeling: object detection & classification
- Facial landmark detection
- Entity relationships & ID tracking
- **Image Analysis and assessment**

Project: A Fortune 1000 automotive company using AI to scan images of damaged vehicles and cross-reference its condition with existing vehicle data to automate claim estimates.

Challenge: The customer required 10 damage classifications with a degree of subjectivity to be identified per each vehicle.

Solution: Alegion configured a task workflow that segmented the tasks into “damage location identification” and “damage type classification” in order to optimize annotator skills and throughput. We trained the annotators to understand the nuances of each damage class to reduce errors, and increase labeling to tens of thousands of images per day with up to 98% accuracy.



98%
Accuracy

