



FFPLUS SUCCESS STORY: BUSINESS EXPERIMENTS

HPC-ENABLED DAMAGE CONTROL FOR RENTAL CAR FLEETS

ORGANISATIONS

TUBEIQ is a Serbian SME developing low-code/no-code workflow automation and business-process-management solutions for enterprises seeking faster digital transformation. **DunavNET** specialises in AI, IoT and advanced data solutions, and is responsible for AI development and HPC integration. **AAA-1 RENT** is a vehicle rental provider that supplied operational expertise, business requirements and real-world validation of the solution.



THE CHALLENGE

Vehicle damage assessment in rental and fleet operations is still largely manual, slow and inconsistent. Staff must interpret photos, text notes and voice descriptions, then translate them into claims-ready reports. The sector needs faster, more reliable damage evaluation, but training robust AI on varied vehicle images, damage types and reporting formats requires scalable HPC experimentation beyond local compute capacity.

Client UAT Portal

Input Image



AI Detected Output



Technology used: HPC, AI, ML
Industry Sector: Automotive

THE SOLUTION

Damage Control is a multimodal AI workflow platform that analyses vehicle images, text reports and voice descriptions. Computer vision, NLP, deep learning and vision LLMs identify damage type, location and severity, then generate structured JSON outputs and human-readable reports. HPC clusters enabled training on thousands of annotated images, faster convergence and parallel testing of hybrid AI and commercial multimodal models before integration into real workflows.

THE IMPACT

Damage Control turns raw vehicle images and related notes into structured, insurance-ready reports, reducing reliance on subjective manual inspection and enabling faster claims and fleet decisions. The project has already delivered high accuracy in detecting and describing damage, while automated outputs improve consistency, traceability and integration into rental and insurer workflows. HPC is central to this impact: it allowed large-scale model training and parallel comparison of AI approaches that would be too slow on local resources, reducing technical risk before deployment.

For rental and fleet operators, near real-time assessments can reduce administrative workload, shorten turnaround, limit disputes through photo-backed evidence and support customer satisfaction gains projected at 20-30%. The validated workflow gives TubelQ and DunavNET a scalable service proposition for insurers, fleet managers and rental companies across Europe.

BENEFITS

- Expands TUBEIQ's footprint into rental, fleet and insurance markets.
- Projected revenues exceed €500,000 in 3 years with profitability from Year 2.
- 30-40% faster damage-report processing for rental/fleet operators.
- 20-25% lower inspection/reporting costs per vehicle.
- Up to 30% fewer disputes via consistent, transparent reporting.



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