

How we built a real-time OEM-integrated fleet asset management SaaS for QarView





Client

Softeta partnered with QarView to design and deliver a real-time, data-driven fleet asset management SaaS platform that consolidates OEM telematics, financial, and operational datasets into a single unified ecosystem. The solution automates the vehicle lifecycle management process and provides advanced pricing, maintenance, and utilization analytics for multi-tenant corporate clients.



Key Challenges

- ✓ Fragmented data sources from multiple APIs
- ✓ Legacy infrastructure data providers with poor integration capabilities
- ✓ Requirement for multi-tenant scalability with strict data isolation and compliance
- ✓ Need for dynamic pricing logic tied to vehicle usage, depreciation, and OEM condition data
- ✓ Complex fleet asset lifecycle automation – from acquisition and financing to usage, resale, and data archive

Strategic Solution



OEM & Telematics Integration Layer

unified ingestion of vehicle data through manufacturer APIs

Serverless Compute & Scalable Data Storage

Azure Functions and Supabase enabled event processing, multi-tenant isolation, cost-efficient scaling

Pricing Logic Module

dynamic calculation of leasing and resale values using OEM data, utilization metrics, and real-time depreciation curves

Low-Code Orchestration

rapid MVP delivery using low-code frameworks, reducing time-to-market while maintaining extensibility

Lifecycle Automation Engine

automated asset status transitions with rules-based workflows:

- ✓ procurement
- ✓ active use
- ✓ maintenance
- ✓ resale



Results

Within 12 months, QarView launched a production-grade, multi-tenant SaaS platform capable of real-time OEM data aggregation and full fleet lifecycle automation – all delivered within a cost-optimized MVP budget.

- ✓ Unified OEM and telematics data into a single operational dashboard
- ✓ Automated fleet lifecycle workflows reduced manual operations by 70%
- ✓ Platform scaled to serve external enterprise clients, positioning QarView as a SaaS provider rather than just a fleet operator

Next Steps

- Predictive maintenance using AI-driven failure models based on OEM sensor data
- Advanced analytics layer for asset valuation, usage optimization, and carbon tracking

