INTELLIGENT DATA ANALYTICS & CONTROL SYSTEM

Overview

1.

An ADAS (Advanced Driver Assistance Systems) and Autonomous Vehicle ecosystem operator struggled with fragmented, unstructured data, no actionable insights, scalability limitations, and unmet monetization potential. Network Science developed iDACS — an Intelligent Data Analytics & Control System — to transform raw vehicle data into real-time intelligence

Solutions & Strategy

2.

Developed an AI-powered analytics platform that unified vehicle data, enabled predictive intelligence, and transformed raw sensor inputs into actionable business insights.

Solution

- Unified Vehicle Data Hub
- Real-Time Data Ingestion
- Compliance & Control Center
- Scalable Data Architecture

4. Impact

- Data processing time reduced by 40%, enabling faster decisions.
- Predictive maintenance efficiency improved by 35%, reducing vehicle downtime.
- Data utilization improved by 50%, maximizing value from collected insights.
- New revenue streams unlocked, with projected 20% YoY growth in analytics-driven monetization.
- 100% compliance with global safety and data protection regulations achieved.

Result

40%	50%	100%
Faster Processing	Better Data Utilization	Regulatory Compliance

iDACS turned a fragmented data environment into a competitive intelligence asset. With real-time analytics, full regulatory compliance, and built-in monetization, the platform positioned its operator as a leader in the next generation of intelligent mobility systems.