



Logistics Architecture.

Supply chain intelligence starts with architecture.

Logistics complexity demands architectural discipline

Logistics operates in an environment where every minute counts and every link is critical. W69 implements AI architecture for logistics providers, shippers and supply chain managers where reliability and predictability are core. Supply chains grow longer, disruptions more frequent, and clients expect real-time transparency. Without architectural discipline, your efficiency advantage becomes your greatest vulnerability.

“You don’t merely manage a supply chain; you safeguard the operational integrity for the next generation of your logistics network.”

We don’t build for today’s delivery, but for tomorrow’s supply chain. Your logistics deserves an architecture that stands the test of time.

Supply Chain Intelligence

Real-time insight into your complete supply chain.

Routing Logic

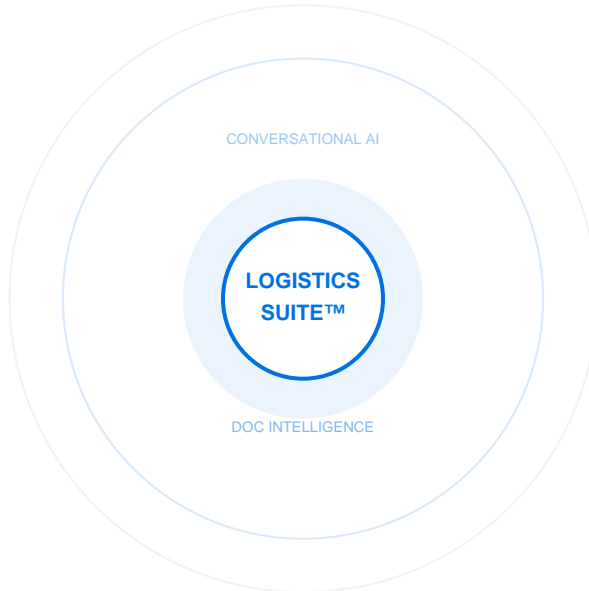
Intelligent route optimization and capacity planning.

Visibility-by-Design

Transparency and traceability as an architectural principle.

The Logistics Suite™

How W69 connects AI components into one logistics architecture.



- **Route Optimization Engine**

Intelligent route planning with real-time traffic data, capacity optimization and dynamic rescheduling.

- **Compliance**

Automated verification against customs legislation, ADR regulations and transport legislation.

- **Demand Forecasting AI**

Predictive modeling of demand patterns using seasonal, weather and market data.

- **Reporting**

Automated reports for KPI monitoring, customer satisfaction and operational efficiency.

- **Audit Trail**

Complete traceability of every AI decision for supply chain accountability.

Cross-cutting capabilities: Document Intelligence and Conversational AI are integrated into all components of the Logistics Suite™.

From logistics documents to operational insight

AI that understands, analyzes and converts your logistics document flow into actionable operational insights.

1 Waybill & Customs Analysis

Automatic extraction of key data from CMR waybills, customs declarations and trade documents. The system identifies deviations, compares data with standard formats and generates structured overviews for your operational team.

2 Compliance & Certificate Screening

Real-time screening of transport documents against ADR, IATA and customs regulations with complete audit trail. Every document is verified against current compliance requirements with automatic flagging of deviations.

3 Operational Reporting

Generation of operational dashboards, KPI reports and customer satisfaction analyses based on real-time data. From raw operational data to management-ready insights in a fraction of the time.

Intelligent interaction for logistics

AI-driven conversations that inform clients, support drivers and enhance operational efficiency.

1 Track & Trace Assistant

Automated status updates and delivery information through natural conversations with real-time tracking. From initial inquiry to complete shipment information, guided by AI that documents and validates every step.

2 Driver Support Bot

AI assistant providing drivers with real-time support for route changes, customs procedures and safety instructions. Always available, always up to date, always consistent in quality.

3 Supply Chain Knowledge Platform

Search complex logistics procedures, tariff structures and operational guidelines via conversational interface. Your employees find answers in seconds instead of hours, with direct source references.

From passive tools to autonomous intelligence

Static AI models wait for a prompt. **Agentic Systems** by W69 take the initiative. We design architectures in which AI agents independently plan tasks, consult sources, operate tools and validate results.

1 Reasoning Engines

Chain-of-Thought protocols for supply chain optimization. From route planning to capacity management, step by step and substantiated.

2 Tool Augmentation

Integration with your logistics systems. Whether it concerns TMS, WMS or track & trace platforms; our agents navigate safely through your data ecosystem.

3 Human-in-the-Loop

For critical operational decisions, the system escalates to your dispatchers. No autonomy without operational accountability — every decision is traceable and auditable.

4 Continuous Learning

The architecture evolves with market dynamics and network disruptions. Feedback loops refine the models within operational guardrails.

Your AI Readiness Score

The Navigator™ Assessment provides an initial indication of your organization's AI maturity. Scores range from 10 to 50, divided across three maturity levels.

Exploration

10 – 20

AI is in an early experimental phase. Individual experiments, few organization-wide guidelines, fragmented tools.

Integration

20 – 35

AI is already applied in specific workflows. Concrete use cases, partial integration, growing adoption by teams, governance in development.

Strategic AI

35 – 50

AI is a structural part of the organization. Organization-wide adoption, integrated AI architecture, clear governance, AI-supported decision-making.

Start your Navigator™ Assessment

Discover your organization's AI maturity in 5 minutes.

www.w69.ai/sectors/logistics.html

W69 PROOF™



Every system W69 delivers carries the W69 Proof™ quality mark — your guarantee for architecture, governance and compliance.

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W69 AI Consultancy

Logistics Architecture · Governance · Transformation

www.w69.ai · Amsterdam