



Everysens

AI-DAY

AI in Multimodal Logistics
Closing the rail data gap to unlock end-to-end supply chain performance

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ECG

The Association
of European
Vehicle Logistics

The Driver seat Paradox : Efficiency vs. Brute Force (ex : my wife)



20 Hours

\$2 k

Human use biological “World Models” built from 17 years of observation.

We don't learn from scratch, we fine-tune.



20 B Miles

> \$100 B

(total industry)

AI without “Common Sense” must process every “Edge Case” via statistical brute force.

Scaling is linear, complex is exponential.

The AI autonomy ROI equation:

$$\text{ROI} = \frac{\text{P(Problem Size)}}{\text{I(Investment)} \times e^A}$$

P = Business problem

Scale of the value unlocked.

I = Base investment

Compute, data, engineering setup.

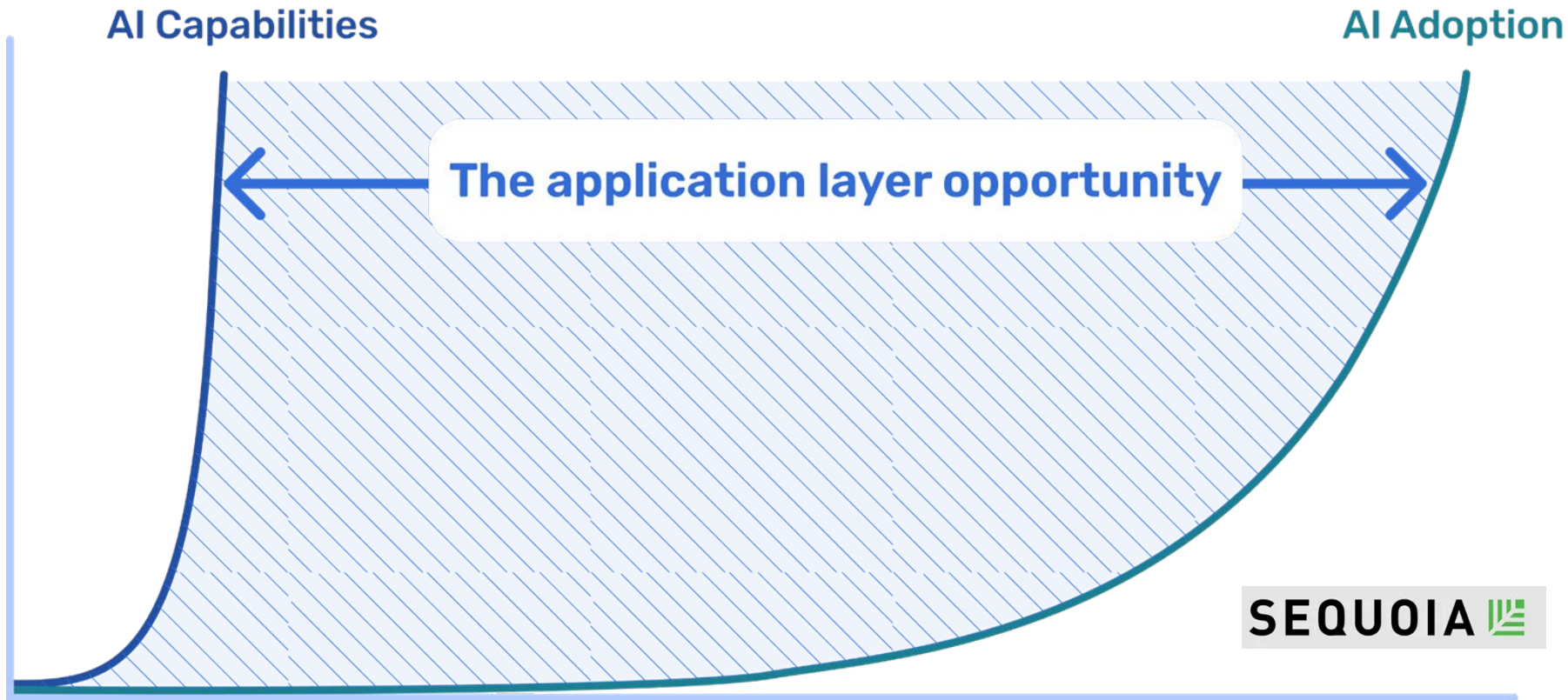
A = Expected autonomy

Elimination of human review.

Autonomy is exponential. Forcing an AI from 99% accuracy to 99.999% (true autonomy) multiplies costs exponentially, completely destroying the ROI unless the problem is monumental.

Translating the self-driving paradigm to supply chain operations.

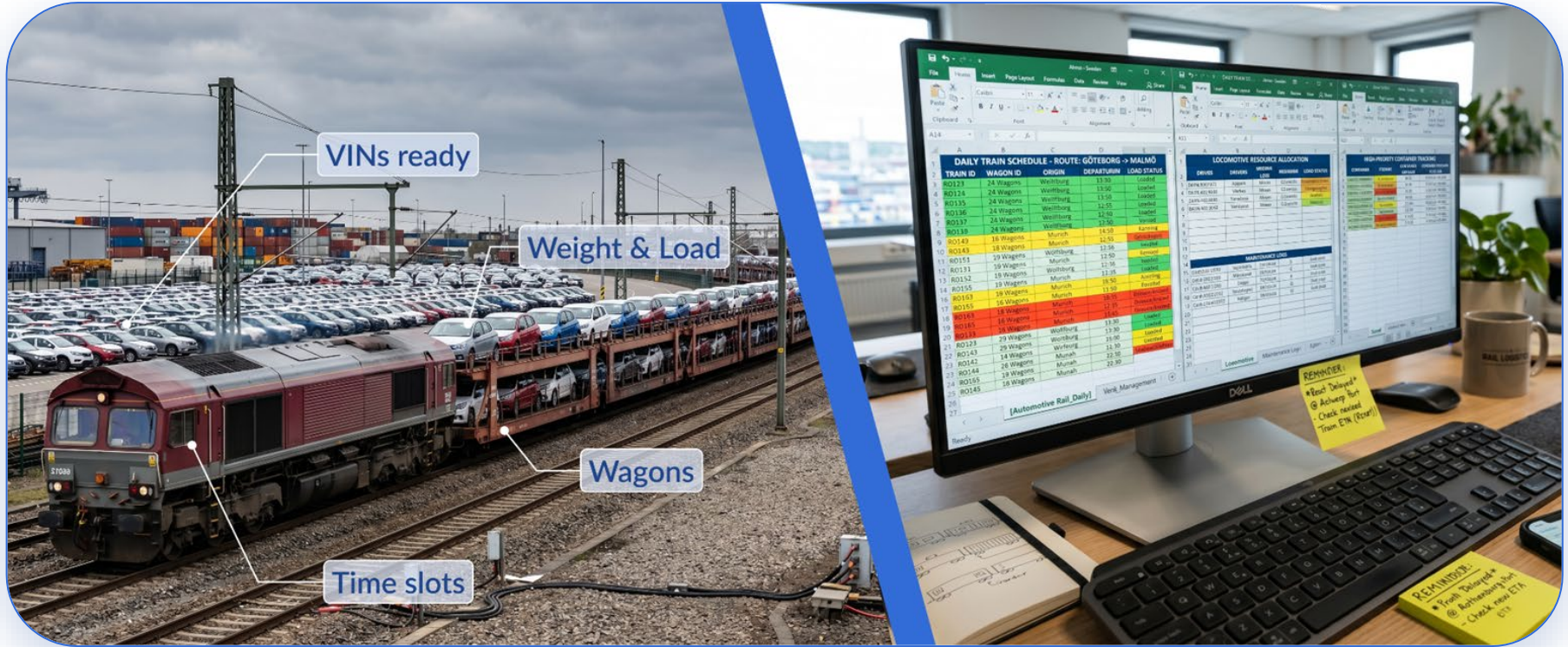
CAPABILITY LEVEL	AUTOMOTIVE ANALOGY	LOGISTICS & SUPPLY CHAIN	THE HUMAN ROLE
Assisted 	 Park Assist (VW) Car steers, but the driver must brake and validate the maneuver.	 Capacity Planning / ETA AI calculates the plan; human reviews and clicks "Approve".	 The Executor Manually validates every action.
Autonomous 	 Waymo & Valet (VW) Autonomous driving or parking within geofenced areas and garages (ODD).	 Autonomous Warehouses Robotic storage (AS/RS) and zero-touch dispatch within strict rules.	 The Auditor Intervenes only on exceptions.
Singularity 	 Universal Driving No steering wheel. Adapts to infinite edge cases perfectly.	 "Dark" Supply Chain 100% self-orchestrating global network from start to finish.	 The Passenger Zero operational interaction.



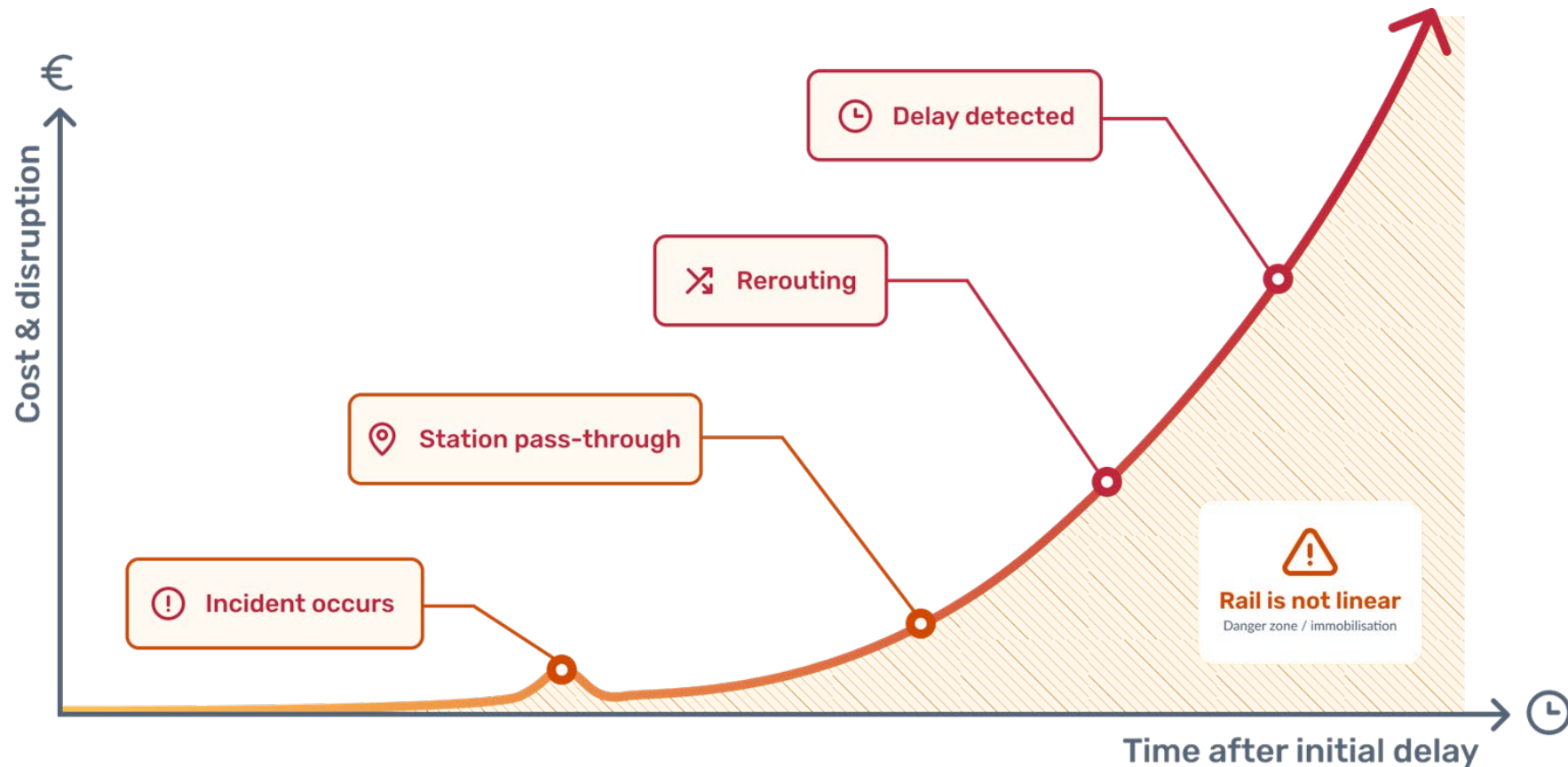
Multimodal logistics

Challenge with use cases

Budget overspend : **+10 M€**



ETA example : a 30-minute slip at departure becomes 48 hours at arrival



The shippers carry the consequences, without the full picture



Everyone has a piece of the puzzle. **But nobody can see the full picture.**

Use case

Predict VIN shortages across the
intermodal supply chain



Sofia, Transport Coordinator

Gets **every VIN delivered** end to end:
truck, sea, rail, truck.

Missions

- Deliver VINs on time, across every mode
- Keep the modal **handoffs** working, above all sea to rail
- **Hold the contract**: enough VINs ready to load at the port

Challenges

- Rail stays a **blind spot** vs. road and sea
- No reliable train ETA, no anticipation possible
- A VIN shortfall at loading can trigger **cancellation and penalties** (€€€)



Marco, VP Supply Chain

Wants a transparent, flexible, and **cost-optimised chain**.

Missions

- Make the **end-to-end chain transparent and flexible**
- Keep total logistics **cost under control**
- Turn rail into a mode he can plan around

Challenges

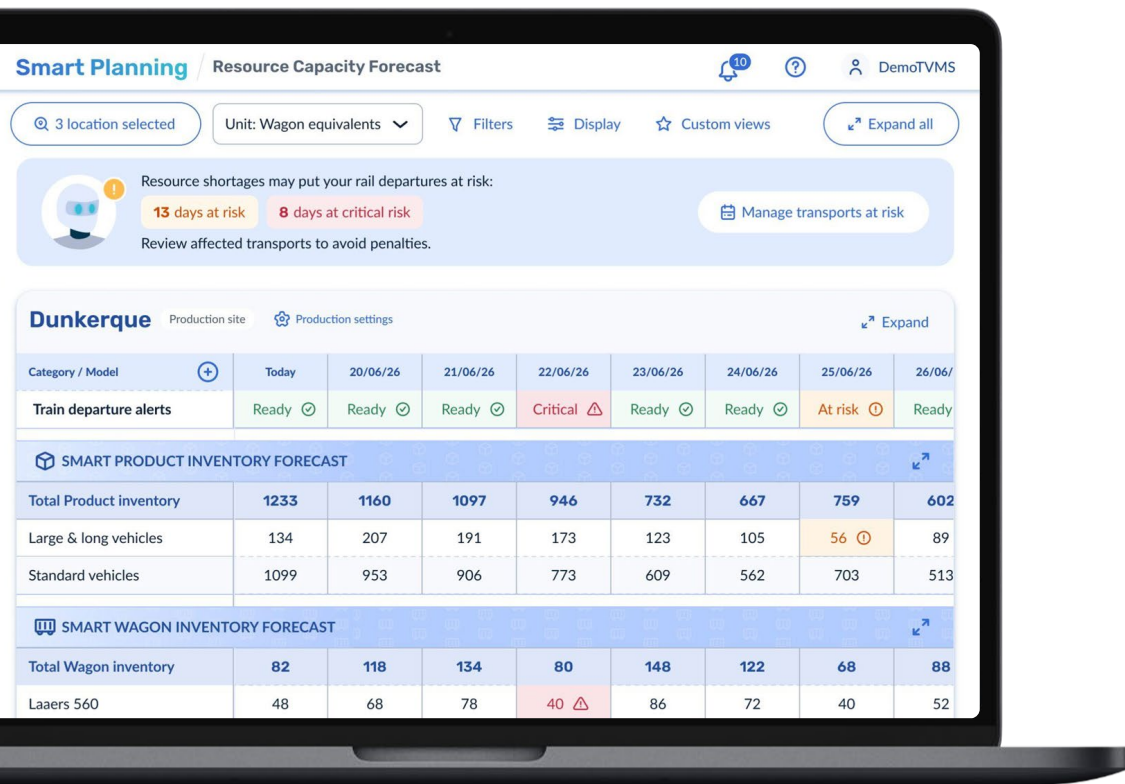
- The rail **penalty budget** keeps overrunning
- No way to see or **optimise rail within the global chain**
- **Contracts aren't digitised** or linked to operations

Industrial AI turns fragmented signals into one decision you can trust



From scattered pieces to a single source of truth.
It connects the data, the constraints and the contracts teams already have.

So here, intelligence forecasts the resources every train depends on



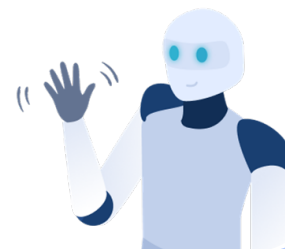
Resource Capacity Forecast *By Everysens*

See **how much will be ready to load**,
location by location, day by day.

RALF reads what others can't connect:

- production plans
- vessel ETAs
- rail ETAs
- rail contracts

Meet **RALF**
your AI assistant
for Rail freight.





Resource Capacity Forecast

Make rail reliable.





-50%

Financial
Performance

Late cancellation
penalties



+30%

Administrative
Productivity

Planning & document
automation



+5%

Asset
Utilization

Wagon fleet rotation

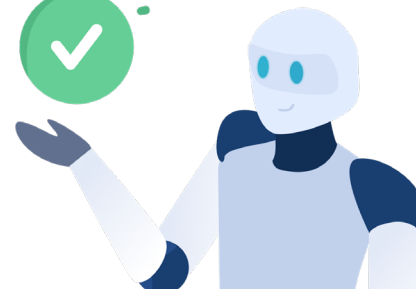


-5%

Environmental
Impact

CO₂ emissions

*Save on your 10M €
overspend*



1 

Seeks Truth, Not Creativity

It optimizes operations through reliable decision-making.

2 

Synchronize the data to synchronize reality

Move from fragmented signals to a single source of truth to master the physical world

3 

Balance the AI Equation : tie Automation to Value

Invest in the right level of automation, not just the highest, to ensure profitability

Connected data



Faster assets



Lower costs



Lower emissions

The final question ! which solution for my wife ?

1 

Accept that I will be the sole driver for the rest of my life

2 

Wait for a Level 5 self-driving car, so we can both stop driving

3 

Support her to try again but this time on an automatic car - L1 to L2 autonomy - (preferred option)





Thank you!

Merci !
Dankeschön!
Köszönöm!
Dziękuję!
Vă mulțumesc!

