

MINIMIZE UNCERTAINTY PREVENT THE CLOSURE.

1.8km

longest bridge in NRW

AI-driven monitoring intelligence, live on the Mintard Bridge

1.2M€

protected every day

30t+

CO2 saved daily

40km+

saved per trip

THE RISK

- Over half of Germany's motorway bridges predate 1985, built for lighter loads than they carry today.
- Missing data cause conservative measures: A52 closed for traffic without warning, gridlocking the region for weeks.
- For Mintard, an unplanned closure isn't a traffic problem. It's an economic crisis.

€1.5 bn

Regional economic damage from a single four-year bridge closure.



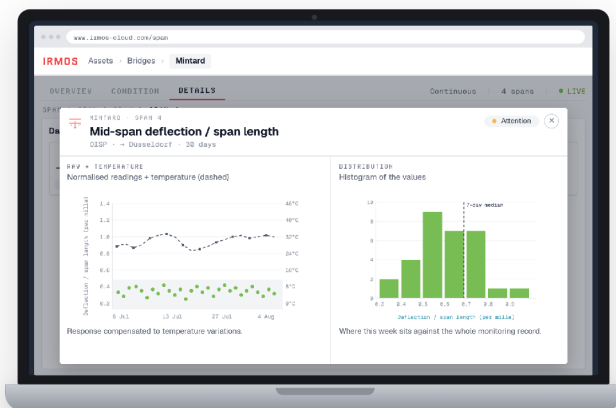
MONITORING COSTS

A few tens of thousands of euros per structure

A CLOSURE COSTS

€7.2M per week in regional damage

Plus CO2, time and money lost to a 10 km detour.



WHAT WE DELIVERED

- **Scalable intelligence.** 100,000 measurements/sec across the spans, translated live into monitoring intelligence.
- **Targeted interventions.** Precision data justifies a lane restriction or truck ban, maximizing asset lifespan without defaulting to a full shutdown.
- **Zero-disruption install.** Plug-and-play non-invasive installation onto the existing structure, no lane closures.
- **Proactive control.** Early warnings shift authorities from reactive emergencies to scheduling maintenance on their terms.

"Given the early positive results, we are scaling to 11 bridges for portfolio-level intelligence to protect our most critical assets."

Tobias Fischer • Head of Construction and Maintenance, Die Autobahn GmbH des Bundes

Find out what your most critical structure is actually doing.

We'll screen one bridge with you in 20 minutes.

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