



image: based on galimovma79 – stock.adobe.com

From Vehicle Fault Data to Preventive Action

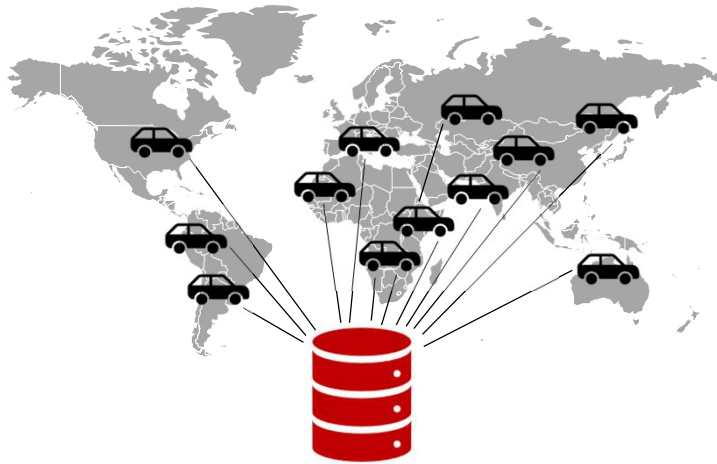
AI and Knowledge Graphs in Catena-X

Kai Wangerow | PRS Technologie GmbH Aachen Automotive Colloquium | Oct. 10th, 2026

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Problem statement: car error data is big, gibberish and hence hard to analyze.

big data



Error data in the mid-three-digit million range

error messages
(e.g., DTC)

Environmental data in the high single-digit billion range

(e.g., outside temperature, car speed, ...)

textelligence.

gibberish data



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A solution was developed as part of the PrePAIR research project.



Supported by:



Federal Ministry
for Economic Affairs
and Energy

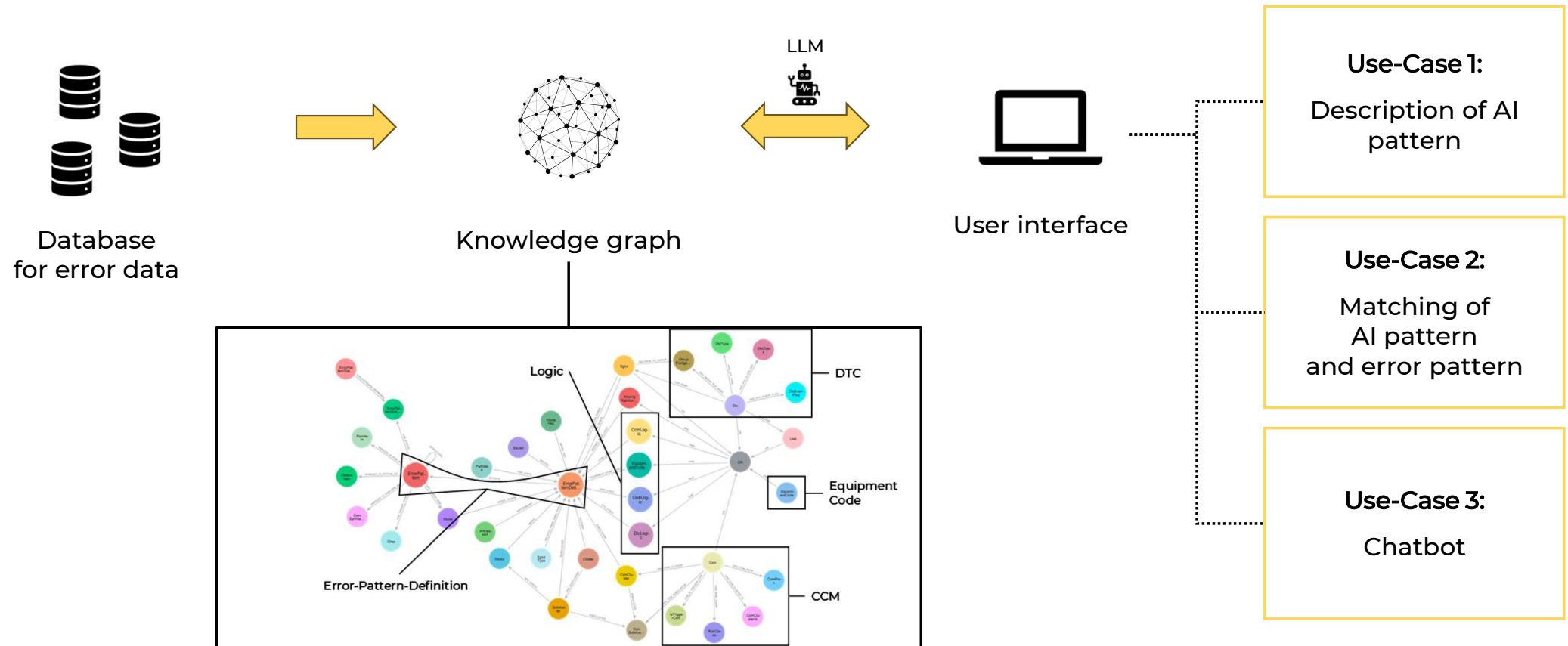
on the basis of a decision
by the German Bundestag



PrePAIR

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Solution approach: AI-assisted interpretation of error clusters using knowledge graph technology.



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Sharing car error data among the automotive value chain with Catena-X.

