

# GenAI Compliance assistant for lighting and signaling devices (UN Regulation 148)

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GROUP PRIORITY – DATA & AI

MAIN GROUP OFFER – DATA STRATEGY & GOVERNANCE

SERVICE OFFERING – GENERATIVE AI FOR STRATEGY

SECTOR – AUTOMOTIVE



A Large Automotive  
company

Strictly for Internal Consumption

# GenAI Compliance assistant for lighting and signaling devices (UN Regulation 148)



## Client Context:

- German premium automobile manufacturer with strong focus on delivering exceptional performance, cutting-edge technology, and sophisticated design
- Project focused on regulatory compliance check processes for car components

## Challenges/Pain points:

- To date, clients' employees spent huge amount of time manually comparing supplier documents with regulatory requirements - side-by-side with significant time-allocations
- Highly inefficient process and not scalable
- Process relevant data is characterized by its high degree of complexity and variance with respect to type and format of data

## Gain points:

- Efficiency increase and time saving in process of regulatory compliance checking
- Human augmentation in information extraction processes through AI and GenAI solutions
- Virtual assistance for domain experts to support them in faster information gathering

## Approach & Solution:

- Together with client we shaped, scoped and defined the GenAI Use Case
- Conceptualized and developed an end-2-end solution incorporating SOTA AI, GenAI Models, Tools and custom build functions to enable automated workflow
- Solution enables client to automatically extract and fact-check relevant documents and regulations from different sources and in different formats
- Additionally, solution enables client to intuitively interact with complicated and large documents in natural language through a one-stop-shop



## CONTACTS



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DATA STRATEGY & GOVERNANCE

ENTERPRISE MANAGEMENT

BENEFITS DELIVERED

**200X**

Faster Process  
Execution\*

**1000X**

Cheaper Process  
Execution\*

**Value**

lever for  
regulatory  
processes

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