



ORGANISATION INFO

Name: Robert Bosch GmbH)
Established: 1886
Country: Germany
Global market reach: subsidiaries in 60 countries, 270 factories worldwide
Lead name: Cuong Xuan Chu

ABOUT

Bosch (BO) is a leading global supplier of technology and services employing 429 400 associates and 270 factories worldwide and operating in 4 business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology.. Bosch employs 90,100 associates in research and development at 136 locations around the globe. The Bosch Group has a revenue of generated sales of 91.6 billion euros for 2023.

ROLE IN THE PROJECT

The Bosch Group facilitates connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. An important technology in this area are effective and efficient pipelines for processing, analyses and AI methods over big industrial data.



enRichMyData

Enabling Data
Enrichment Pipelines for
AI-driven Business
Products and Services

BUSINESS CASE

ABOUT BUSINESS CASE

As part of the enRichMyData project, Bosch (BO) presents a business case within the automotive sector, which focuses on secure and standardized data exchange in the automotive value chain. The case revolves around automated robotic welding, where Bosch provides components and software solutions for welding machines used by various factory owners, including BO and renowned car producers. The objective is to create a data enrichment pipeline for AI-based analytics related to automatic welding robots.

TOOLBOX USAGE

Bosch will employ the enRichMyData Toolbox to enhance its automated welding solutions within their business area. **DiscoverR** helps discover unstructured welding data and refines welding ontologies. **WrappR** automates the mapping process between the data and welding ontologies. **CleanR** offers interactive data cleaning and generates knowledge graphs, ensuring the data is high quality and well-organized. **StructR** enriches non-structured textual data making the data more detailed and usable. **LinkR** automates the manual data annotation process.