

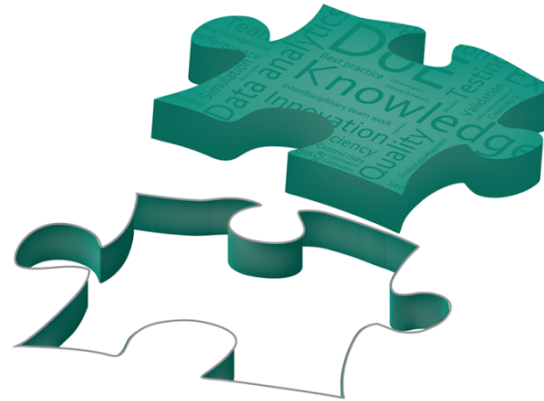
***EDI GmbH – Engineering Data  
Intelligence***

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# EDI GmbH – Engineering Data Intelligence



- Founded in Nov. 2015 by three researchers of the Karlsruhe Institute of Technology (KIT)
- Software systems integrator for knowledge management systems in the automobile industry
- Strategic cooperation with AVL List GmbH as well as the KIT
- Independent SME



*Engineering  
Data  
Intelligence*

[www.engineering-data-intelligence.de](http://www.engineering-data-intelligence.de)



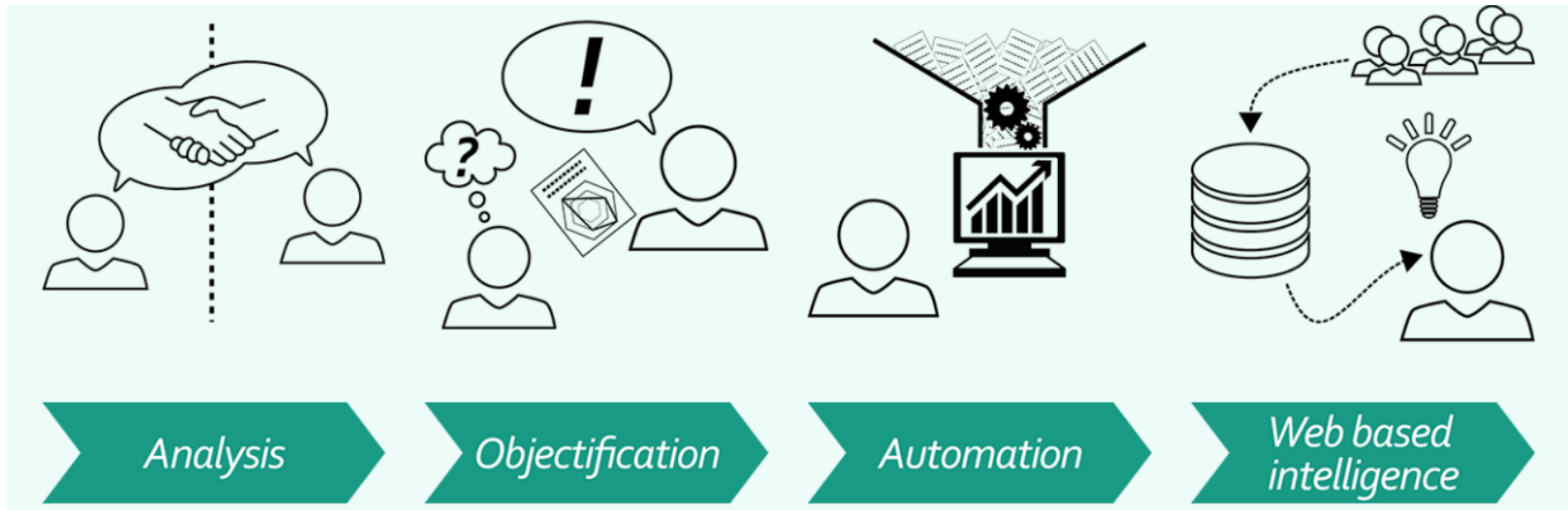
[www.kit.edu](http://www.kit.edu)



[www.avl.com](http://www.avl.com)

# Expertise & Research Interest

- Specialised on **objectification of expert knowledge** for process automation and computer based decision support
- Expertise in the design of **web-based intelligence systems**
- Research focus: efficient **analysis of large data amounts** for bringing together expert knowledge and empirical data / simulation data



# European Green Cars Initiative

## Call: GV-07-2017



- Topic: Multi-level modelling and testing of electric vehicles and their components
- Relevant Objectives:
  - Investigations on **scalable real-time models** for e-drive components (e-motor, batteries, inverters, fuel-cell, etc. ) that **seamlessly can be used** for design, simulation, diagnosis and testing based on existing models and corresponding test and modelling procedures to **automatically identify parameters** of these models.
  - Development of **systems and methods to assess reliability, energy content and commercial certainty** for battery systems at all levels of technology, from cell via packs, vehicles to recycling.
  - **New tools and methods** integrated with control development for **improving safety analysis and reducing costs**.
- Expected results
  - Expert knowledge based decision support system for the testing and development of electric vehicles and their components

# European Green Cars Initiative

## Call: GV-05-2017



- Topic: Electric vehicle user-centric design for optimised energy efficiency
- Relevant Objectives:
  - Analysis of all aspects of the user-centric design of vehicles which directly or indirectly impact energy consumption in a significant way (including visibility, thermal comfort, HMI, ergonomics, postural comfort, noise and vibration, etc.) that may require the **development of new methodologies and design tools**. Consideration should be taken of gender aspects and other demographic factors such as ageing.
  - **Integration of advanced systems and components, and their control**, considering also preconditioning, in order to optimise occupant comfort and well-being with respect to energy consumption.
- Expected results
  - Expert knowledge based validation methodology and tools for efficient development and testing of electric vehicles

# Consortium - required partners



No	Expertise	Type	Country	Role in the project
01	Electric Vehicle Technology	RTD	EU	Consortium leader
02	Battery Technology	RTD	EU	Partner
03	Electric Vehicle Technology	IND	EU	Partner
04				
05				
06				
07				
08				

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