

# 25 years of ITEA Roadshow – Germany

## TWT GmbH Science & Innovation

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Dr. Marek B. Bachmann



ITEA is the Eureka Cluster on software innovation



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- TWT: Technisch Wissenschaftlicher Transfer; 37 years innovative company
- Innovation for German premium OEMs (Mercedes, BMW, AUDI, Porsche) but also international for e.g., Hyundai, Toyota
- SME with around 200 employees from 17 nationalities
- 100% Research and development; Company vision and strategy: “knowledge society”
  
- Active in ITEA since 2008; Involved in 14 projects:
  - 2 are labelled (waiting for funding)
  - 2 are running
  - 10 are completed
  - 4 out of these completed 10 projects received an ITEA Award of Excellence.

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## Some examples of successful ITEA projects

ITEA 2 Call 2 

Winner Achievement Awards Silver  
2012



**MODELISAR**  
From System Modeling to S/W running on the  
Vehicle

ITEA 3 Call 1 

Winner ITEA Award of Excellence  
Standardisation 2019



**ACOSAR**  
Advanced Co-simulation Open System ARchitecture

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## Some examples of successful ITEA projects



### MODELISAR

(July 2008 – December 2011)

Modelling and simulation is essential in the automotive industry. The MODELISAR project developed a worldwide open standard (FMI) to integrate different simulation environments in the automotive domain

The FMI standard is currently supported by some 100 modelling, simulation, code generation and testing tools offered by more than 50 tool - free or commercial – suppliers.



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## Some examples of successful ITEA projects

### ACOSAR

(September 2015 – August 2018)

ACOSAR has developed the Distributed Co-simulation Protocol (DCP), which focuses on the efficient integration of distributed real-time systems and simulation environments. This leads to a significant improvement of development processes and accelerated time to market.

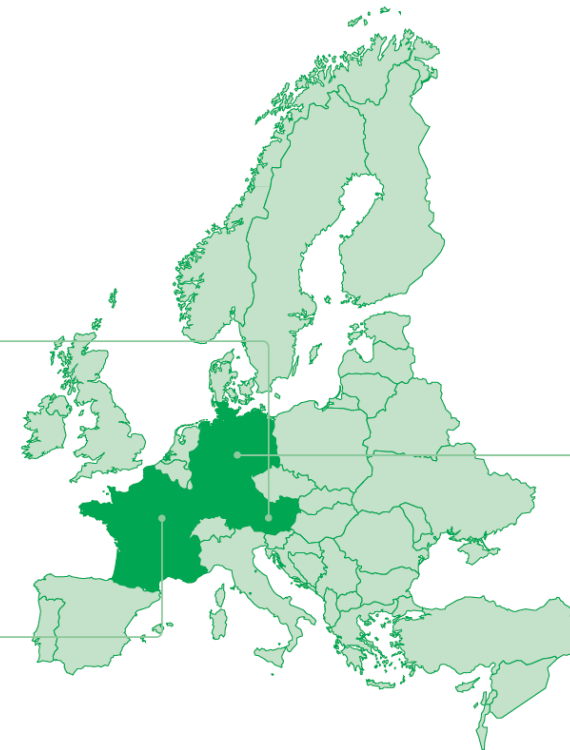
Project partners and use-case providers figured out that within the upcoming five years an automotive original equipment manufacturer (OEM) could save potential integration efforts amounting to 13,000 hours. This represents an equivalent of €5-7 million. On a global scale these numbers are subject to extrapolation.

#### Project partners

Austria



France



Germany



## Societal impact

- Science as a method for the development of society for good
- Strengthening the competitiveness of EU countries

## Business impact

- International visibility → Larger pool of partners; and applicants (e.g. MIT)
- Bring research to market...
- ... and thus, being ahead of and even without competition

# Unique aspects/benefits of the support of ITEA & DLR-PT

- Alignment of European research
- Networking, new partners
- There is no comparable program for IT software intensive systems
- Acquisition of new research projects and new projects at our customers

# Advice for SME participants

## Define your idea(s) as a chain from ideation over concept to market access

- Makes it easier to identify and align your own input and role in the project
- Define milestones and goals that still can be achieved even without input from other partners

## Connect with as many partners (academia, SME, industry) as possible to be well prepared for building future consortia

- Don't be afraid to place your idea(s) in own pitches and take the lead
- Think how those partners help your goals and how you help them



# Contact details

## TWT GmbH Science & Innovation

[www.twt-gmbh.de](http://www.twt-gmbh.de)

- **Dr. Michael Herrnberger**  
Innovation Manager  
[michael.herrnberger@twt-gmbh.de](mailto:michael.herrnberger@twt-gmbh.de)  
+49 89 5404558 429  
+49 174 1668564
- **Dr. Marek Bachmann**  
Research Manager  
[marek.bachmann@twt-gmbh.de](mailto:marek.bachmann@twt-gmbh.de)  
+49 1516 1086395

