

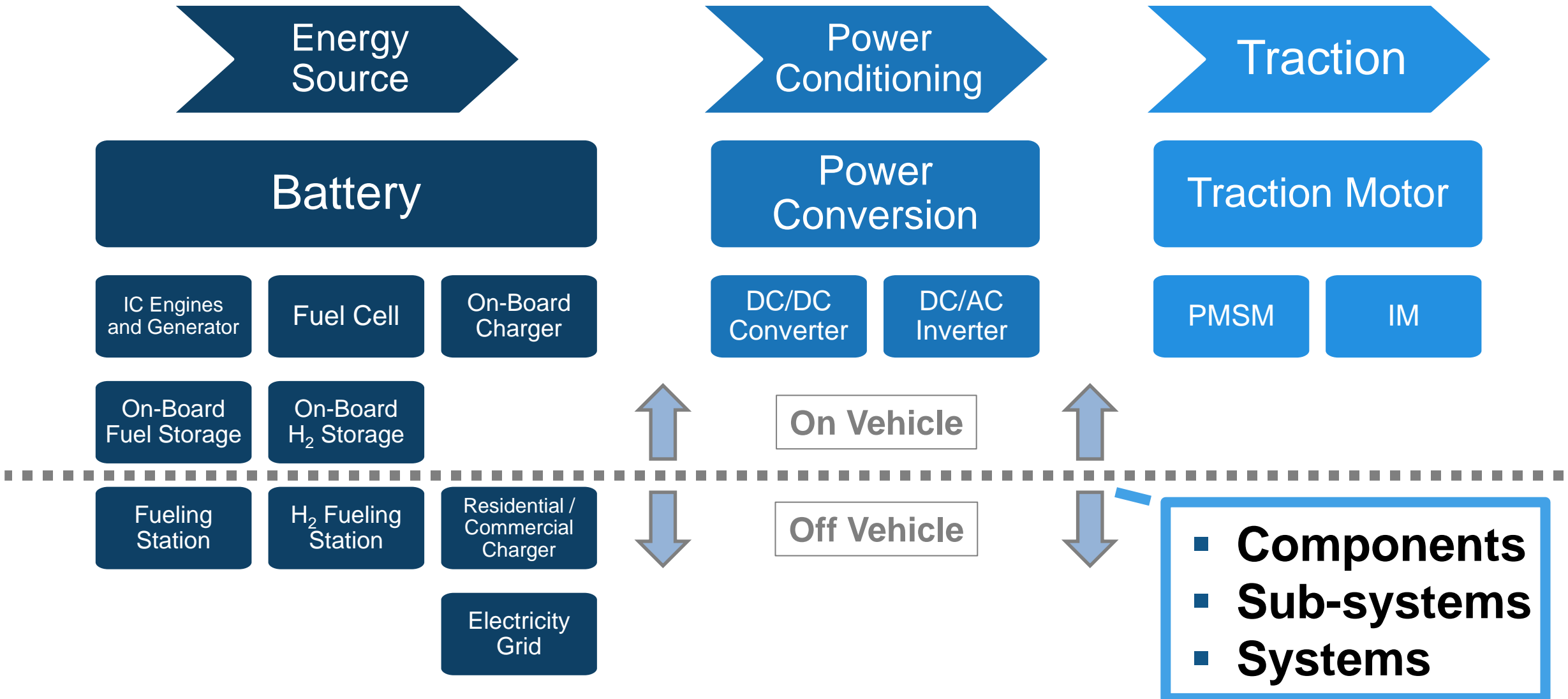


Prototype to Production: Accelerate EV Development

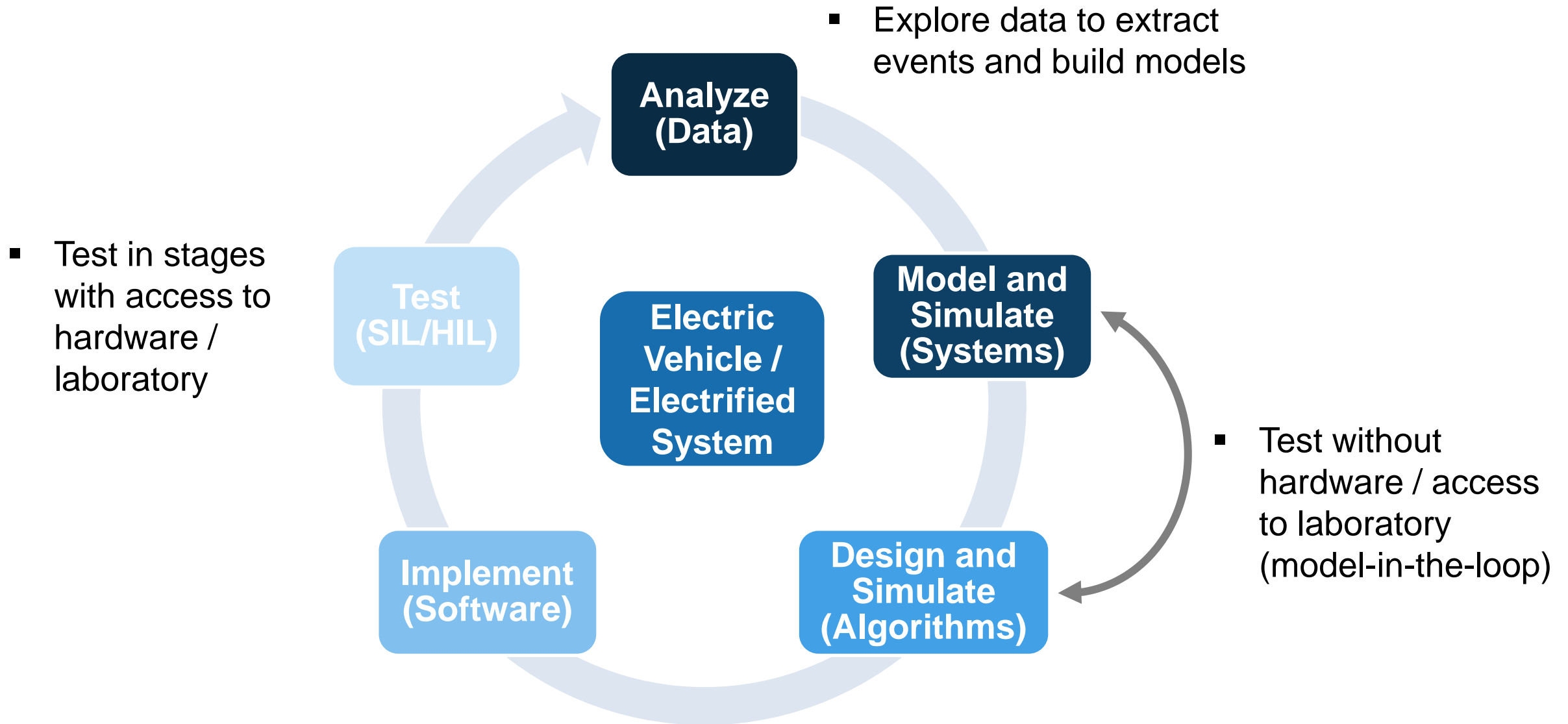
Challenges and Solutions for Developing EVs

- Is the system optimized? *Perform tradeoff analysis.*
- How to reuse software? *Develop models rather than code.*
- How to quickly test prototype algorithms? *Automatically generate code.*
- How to use data efficiently and effectively? *Explore data to extract events and build models.*
- How to meet ISO 26262? *Use qualified tools.*

Build Automotive Electrification Technologies with Model-Based Design



Development Process and Areas



Why MathWorks?

- Front-load electrified system development through systematic use of data and models.



[Tesla Tells Us How It Keeps Beating Nearly Everyone in the Range Game](#)



GREEN TECHNOLOGY / CONTROL SYSTEMS

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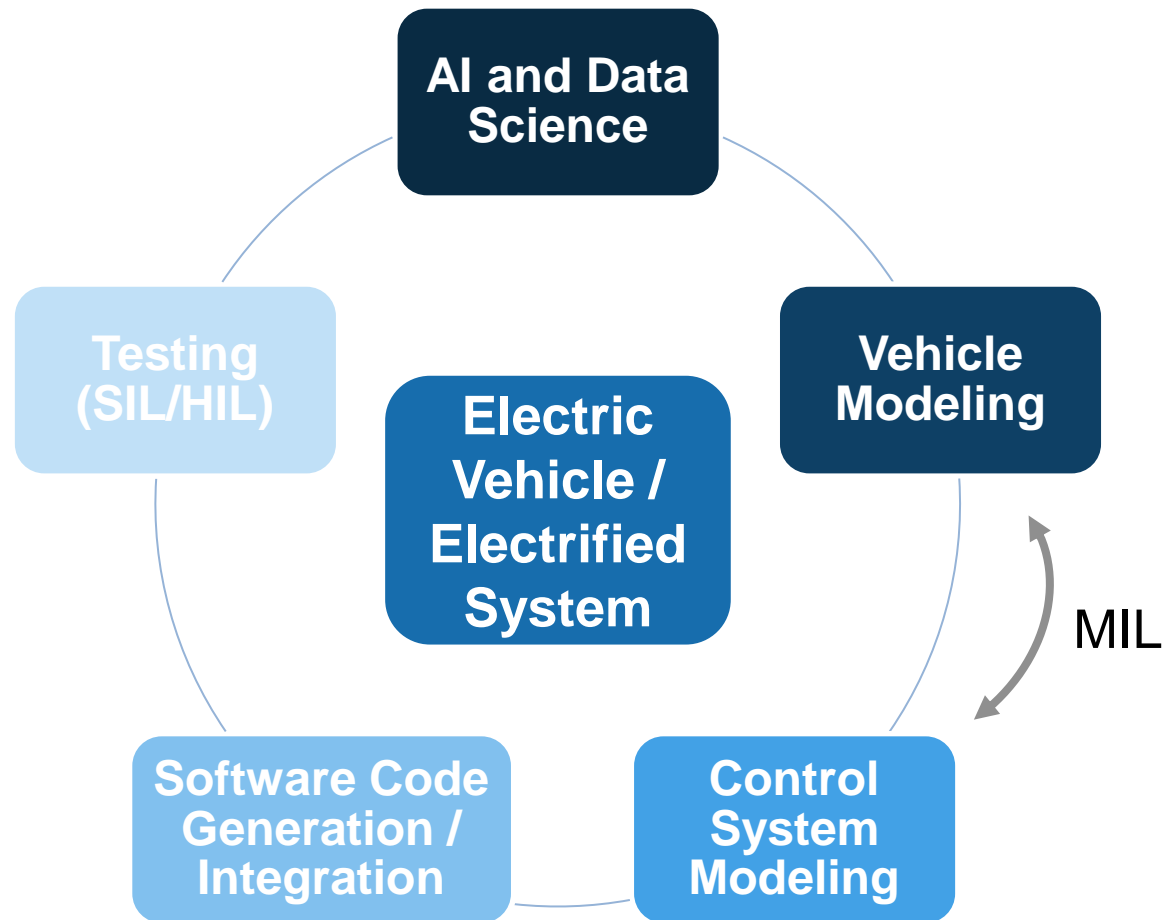


AUTOMOTIVE

Romeo Power

[Modeling and Simulating Battery Performance for Design Optimization](#)

What is Most Relevant to You?



- Contact a MathWorks Sales Engineer specializing in Electrification:



[Alex Kracht](#)



[Ashley Mrutu](#)

- Visit these Solutions pages: [Automotive](#), [Power Electronics Control Design](#), and [Power Systems Analysis and Design](#)