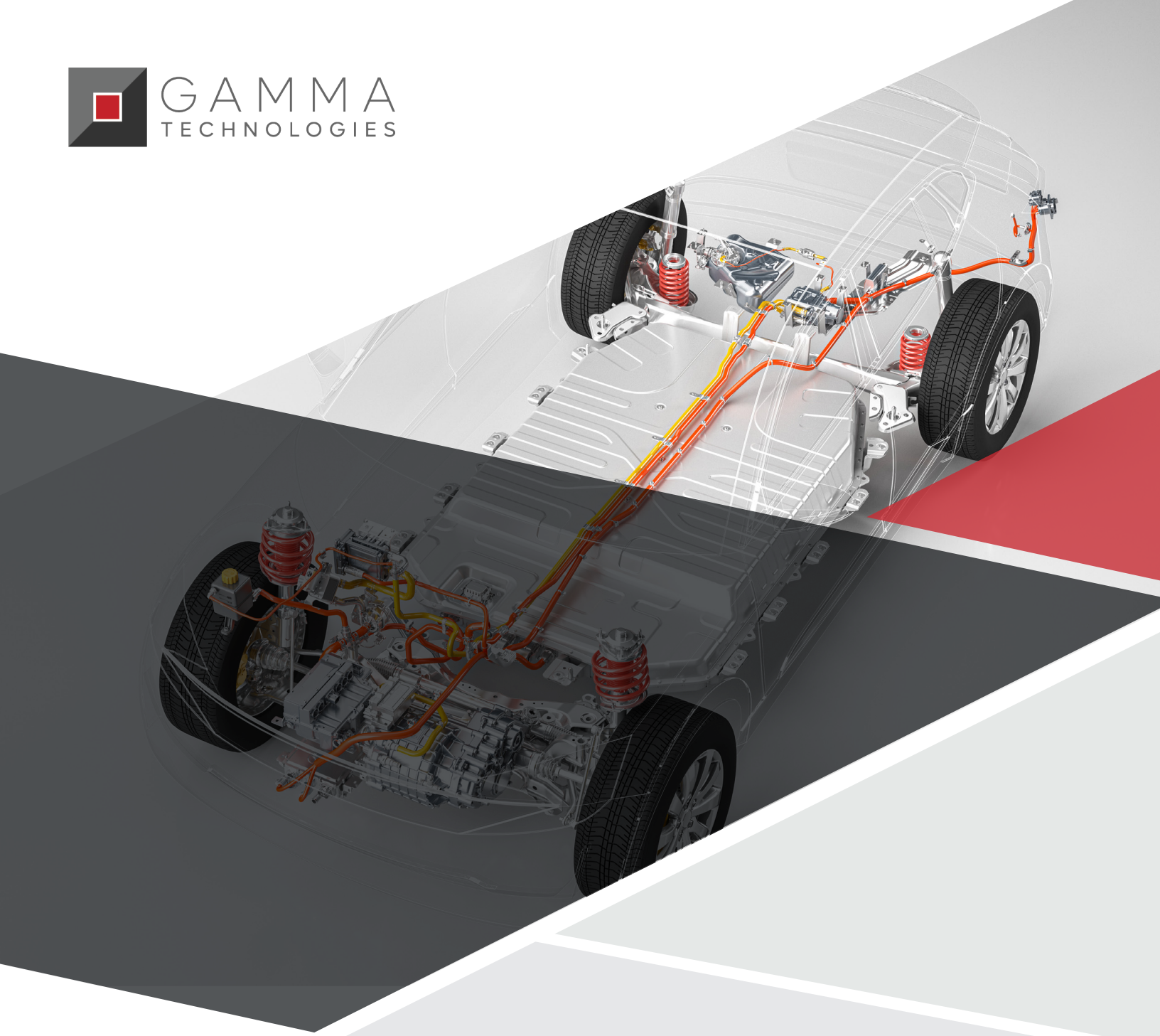
GAMMA TECHNOLOGIES

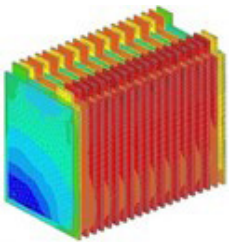


ELECTRIFIED POWERTRAIN VEHICLE SIMULATION PLATFORM

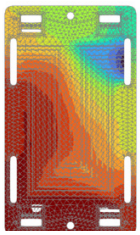
GT offers a unique and comprehensive solution for modeling electrified vehicles throughout all stages of the design process. Advanced data and model management features allow you to publish libraries of components for fast and efficient vehicle architecture studies. With GT any electrified vehicle architecture can be built and tested for energy consumption and performance studies.

Electric Powertrain Components Analysis & Optimization

- Electric Motors and Drives: matching with e-powertrain requirements.
- Power Electronics: impact on drivability, thermals and cost.
- Batteries: from design to HiL with a unified electrochemical battery model.
- Fuel Cells: Balance of Plant and component focus.

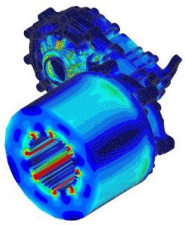


Battery pack
thermal simulation



Fuel cell
thermal simulation

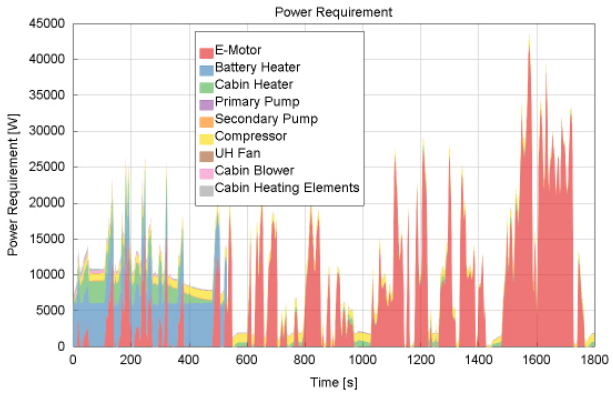
Electric motor
thermal simulation



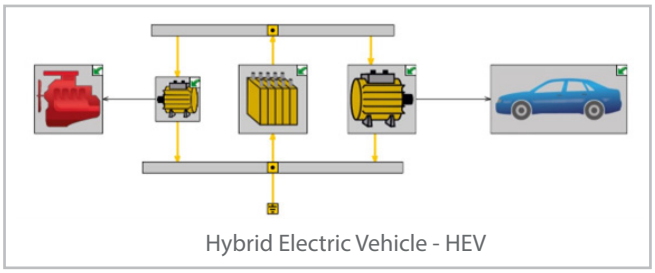
Electric motor
NVH simulation

Holistic Energy Optimization On Vehicle

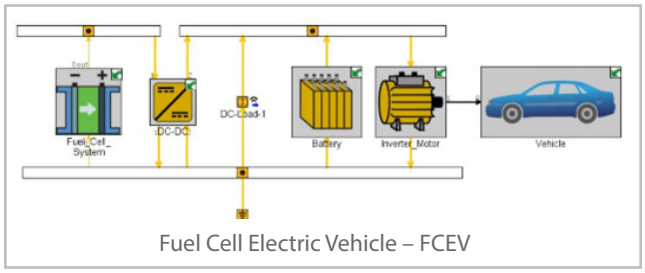
- Understand and optimize energy flows throughout the complete vehicle.
- XiL Simulations that Leverage Physics-based Plant Models.
- Embedded ECMS and Dynamic Programming Development.
- Balancing Passenger Comfort and Range Expectations.



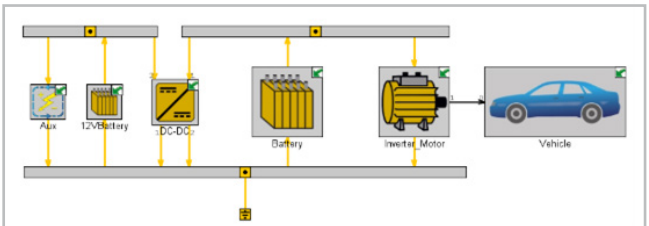
Electrified Vehicle Investigations & Optimization



Hybrid Electric Vehicle - HEV



Fuel Cell Electric Vehicle – FCEV



Battery Electric Vehicle – BEV

Gamma Technologies, LLC.
601 Oakmont Lane, Suite 220
Westmont, IL 60559, USA
Phone Number: +1 (630) 325-5848
E-Mail: support@gtisoft.com

Gamma Technologies GmbH
Danneckerstrasse 37
D-70182 Stuttgart, Germany
Phone Number: +49 (0) 711-553232 -10
E-Mail: support@gtisoft.com

Gamma CAE Technologies Pvt Ltd
World Trade Center, Tower no. 1
4th Floor, Office 410
Kharadi, Pune 411014, India
E-Mail: support_india@gtisoft.com