



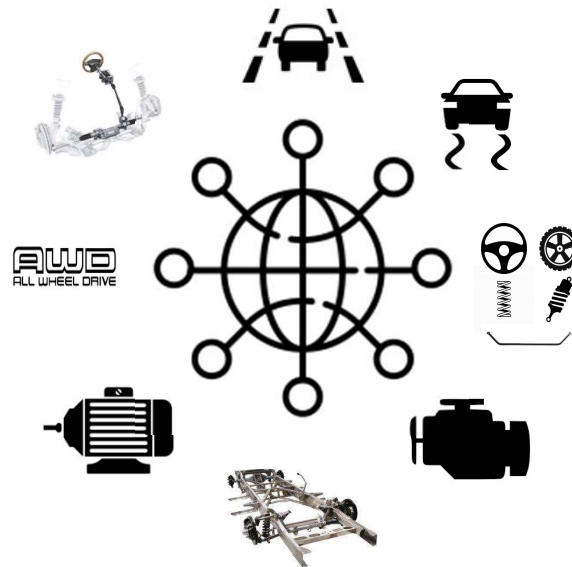
Advancing DiL Simulator Virtual Development Through Supplier Model Integration

How can I continue to expand the scope and accuracy of my virtual development using DiL Simulators?



Integrate suppliers into **your** virtual development eco-system.

ec·o·sys·tem



Developing YOUR Simulator Eco-System is #1

To effectively utilize DiL simulators at the global level, developing an aligned eco-system is critical.

**DiL
HARDWARE**



**RT
SOFTWARE**

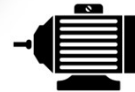


Consistency enables efficient integration



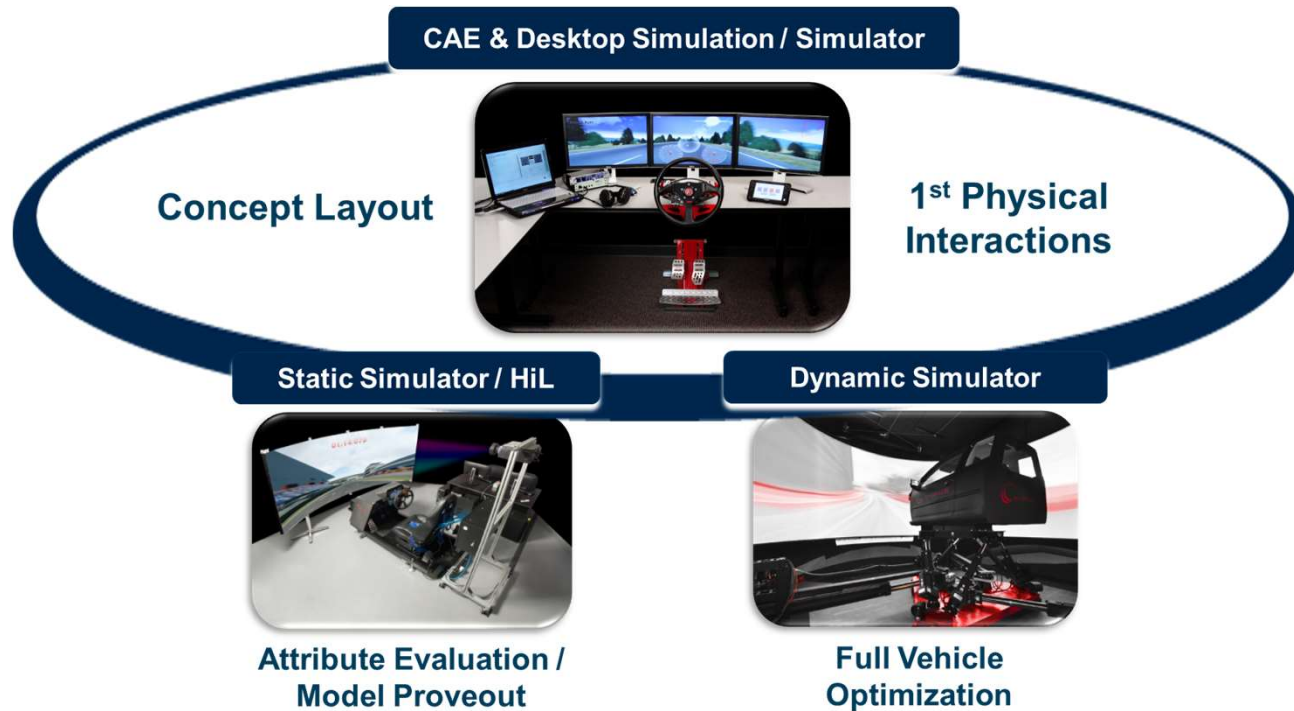
Developing YOUR Simulator Eco-System

There are many different software and hardware solutions available to create and build your simulation eco-system, but they need to work together.



Developing YOUR Simulator Eco-System – DiL Hardware

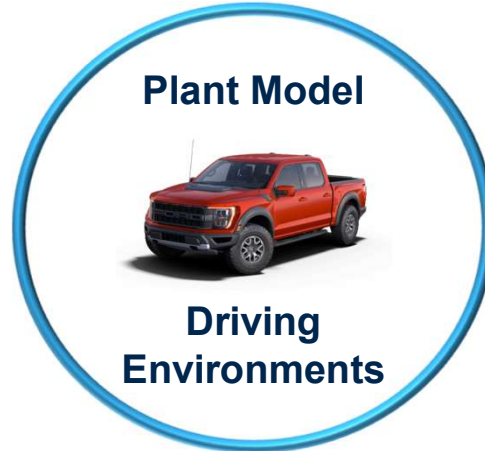
DiL Simulator Types and Hardware



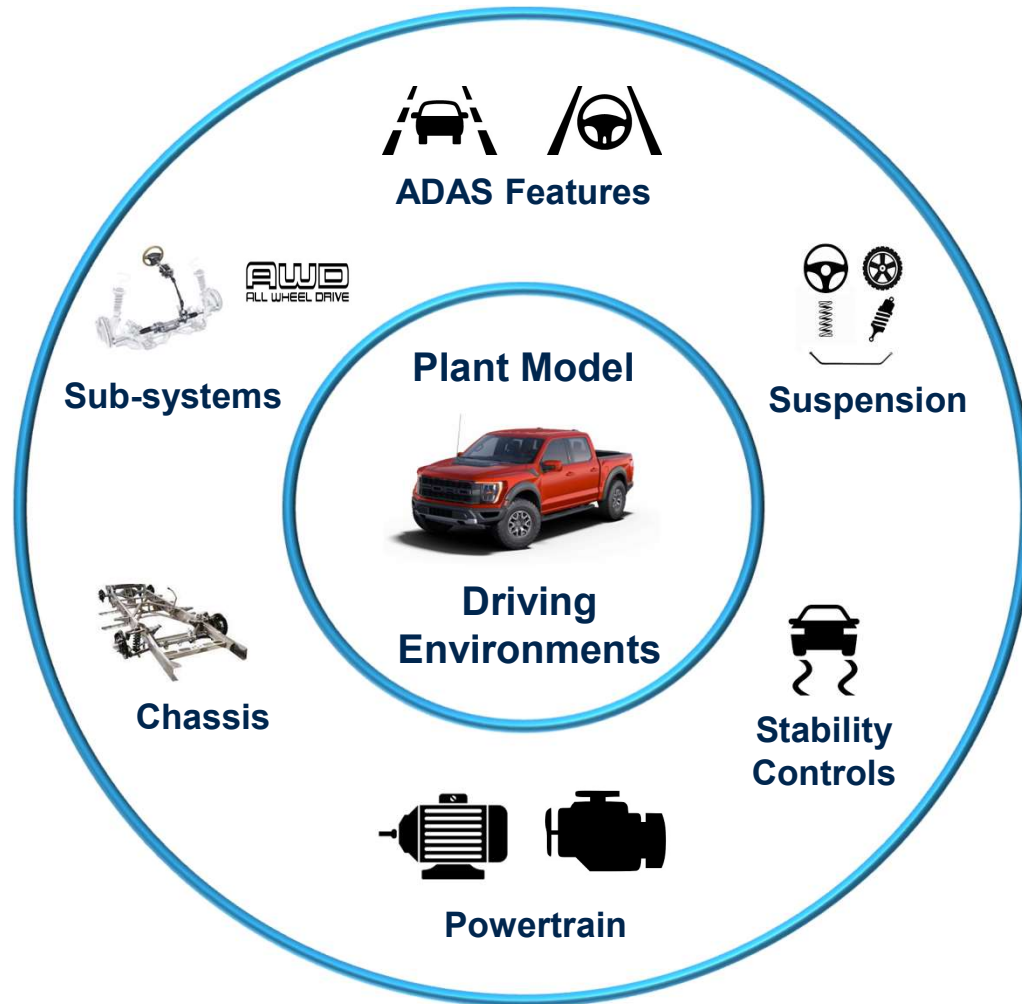
Real-time hardware alignment is a key advantage

Developing YOUR Simulator Eco-System – RT Software

Parametric / Environment Model Software



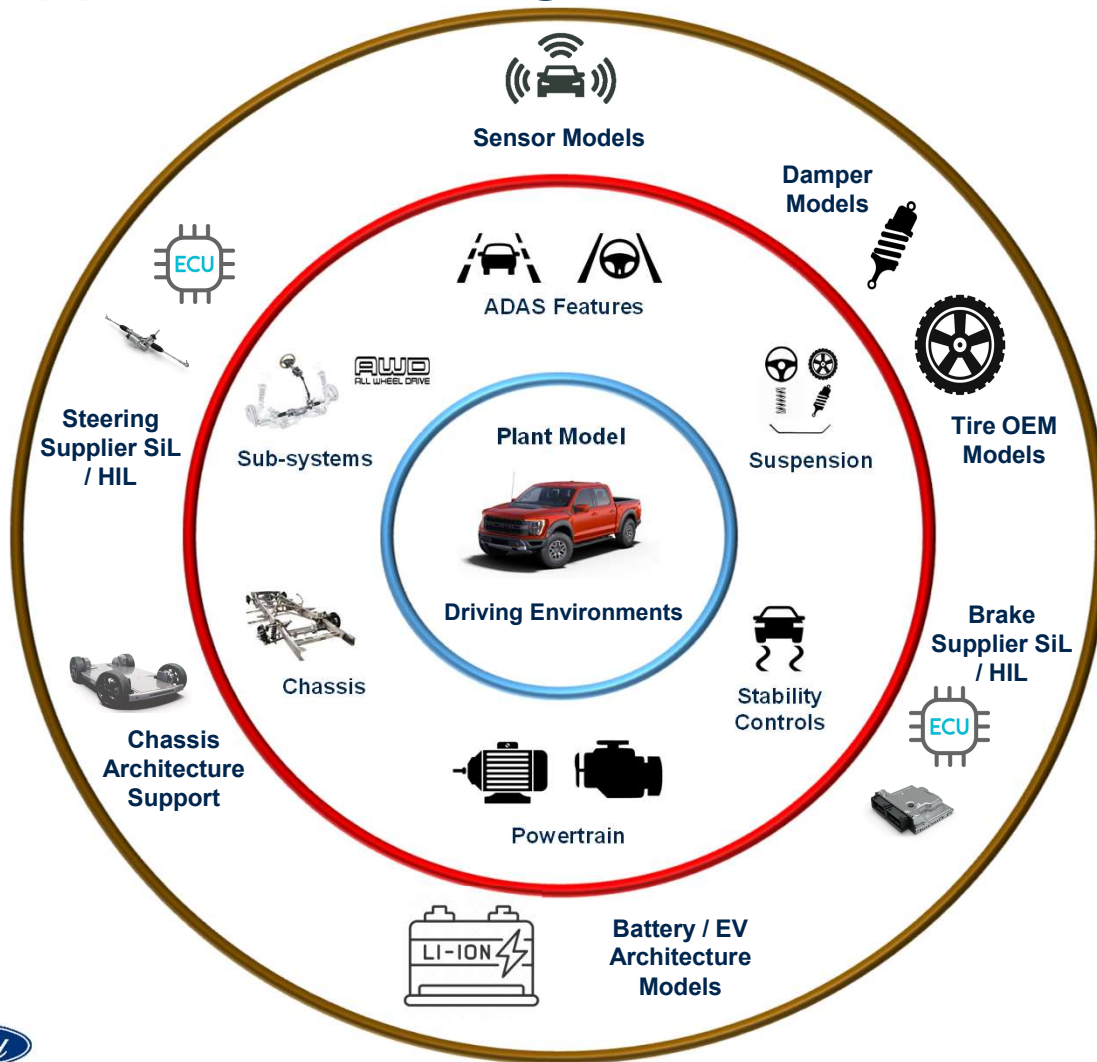
Developing Internal System Models and Framework



These internal models along with your vehicle plant model form the basis of your simulations and allow early model builds to evaluate concepts, feature viability and establish program targets.

Understanding these systems and how they are modeled and connected within your ecosystem will help to guide the future integration of supplier based models.

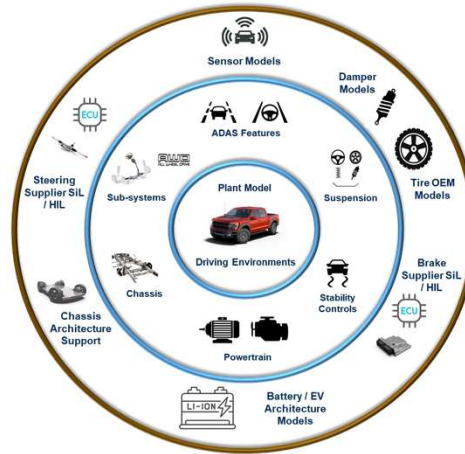
Supplier Model Integration



As you move closer to the prototype phase, integrating supplier-based models will help support more accurate representations of the production intent vehicle.

This helps to grow partnerships that leverage virtual development of these components and systems with your suppliers along side your vehicle development stages.

Leveraging Simulator Partners To Help Suppliers Integrate



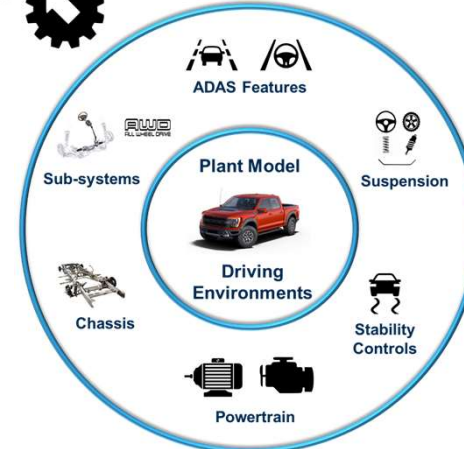
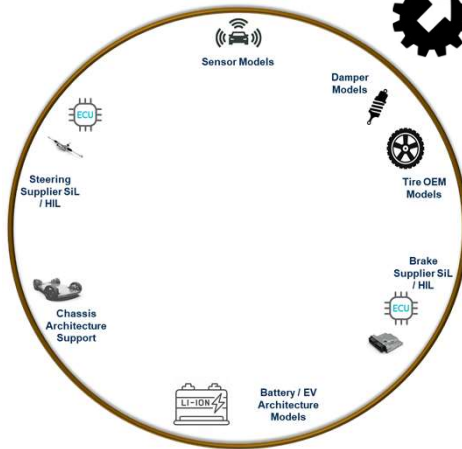
Linux



SUPPLIER



OEM



Leveraging Simulator Partners and Suppliers To Integrate

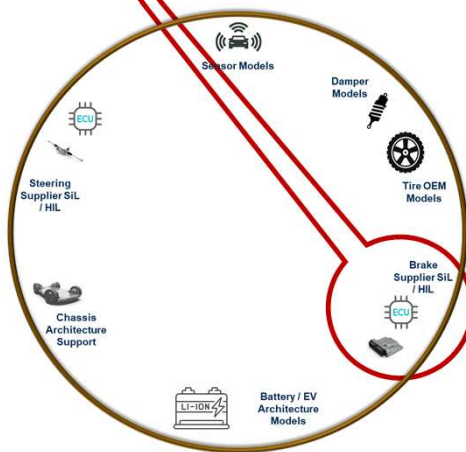
Brake Supplier
SiL / HiL



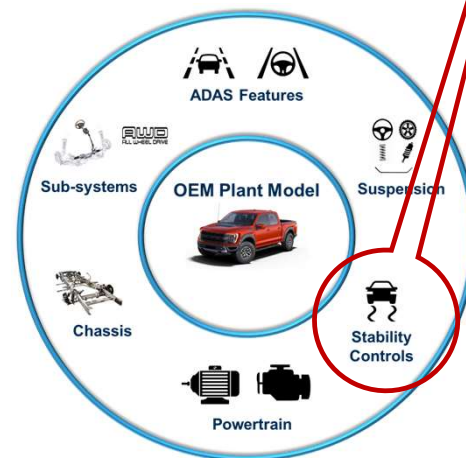
Linux



SUPPLIER



OEM



Key Advantages With Supplier Model Integration

- Growing partnerships with your suppliers helps to enhance and strengthen virtual development at all phases
- Improves your overall simulation accuracy and reduces the time needed to relay critical changes back to your suppliers
- Allows for earlier virtual development iterations to help set targets and get suppliers aligned with your vision
- Strengthens your own ecosystem as you adapt and evolve your simulation and simulator capabilities through your supplier partnerships



Q&A