



International Council on Systems Engineering
A better world through a systems approach

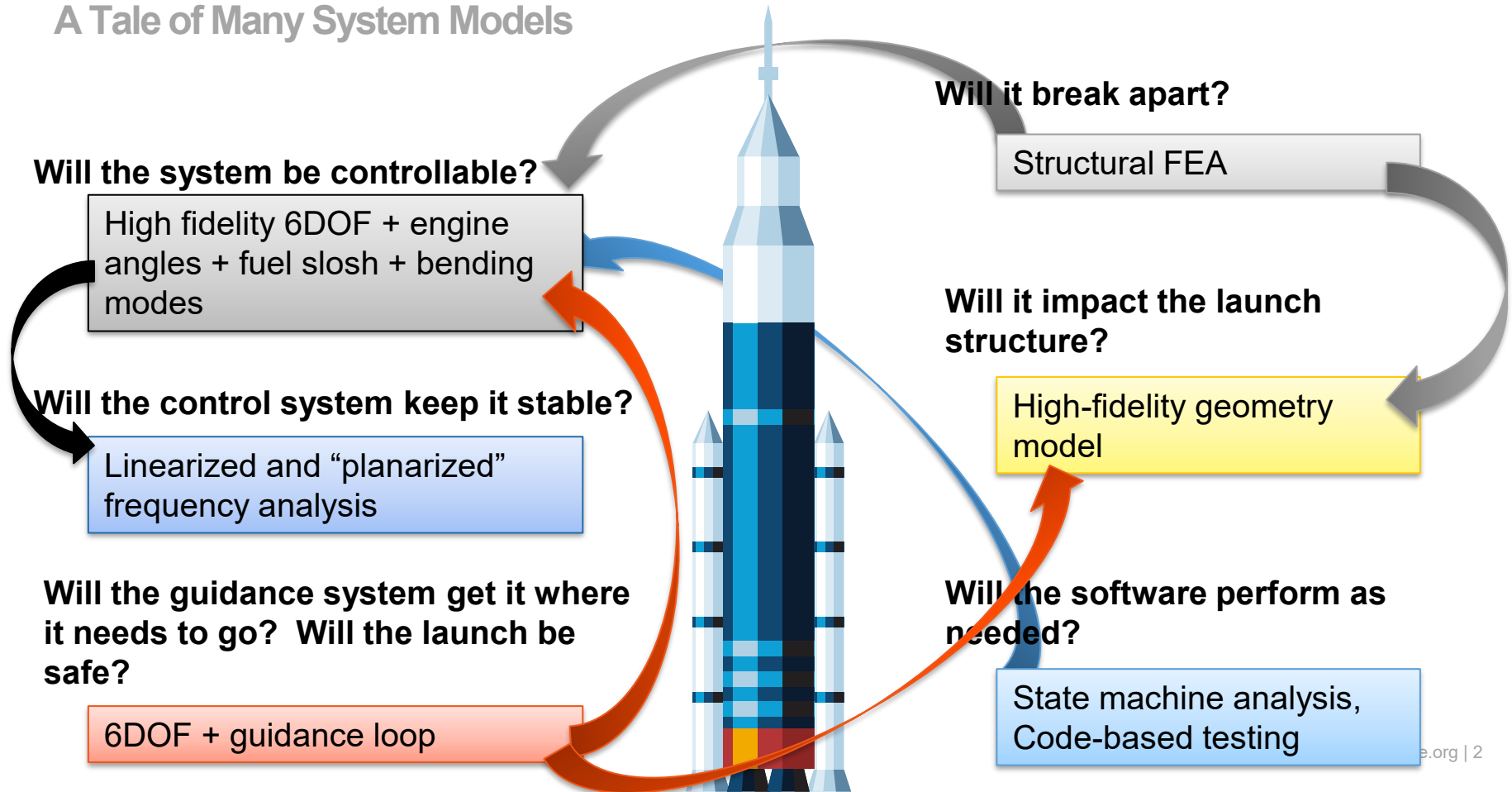
Simulation is hard (But worth it!)



Becky Petteys
Systems Engineering Segment
Manager, MathWorks



A Tale of Many System Models

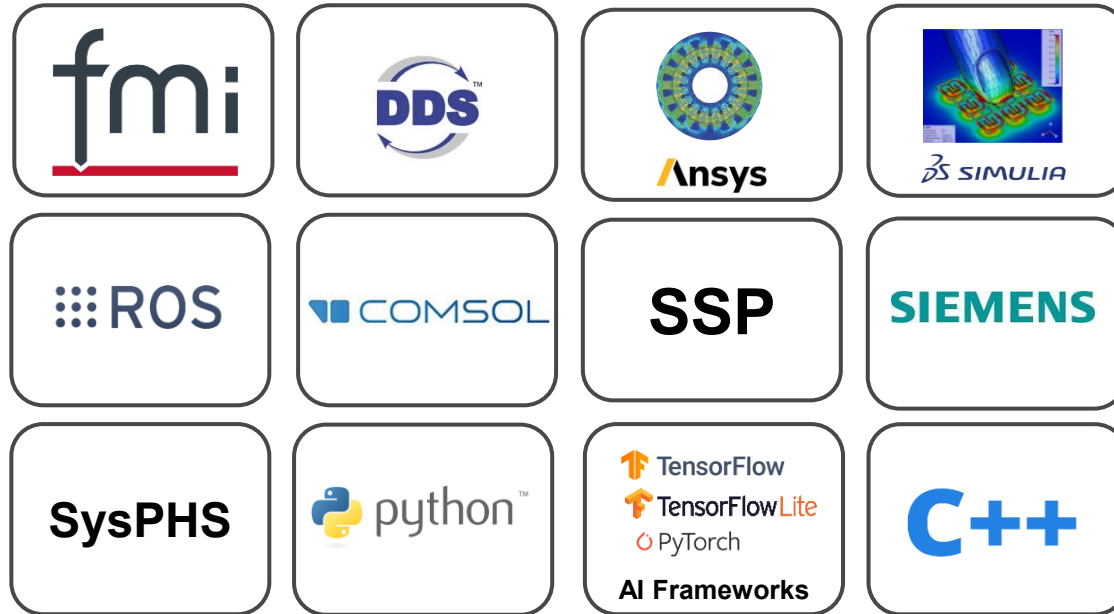


Key enablers for using simulation earlier in the development cycle

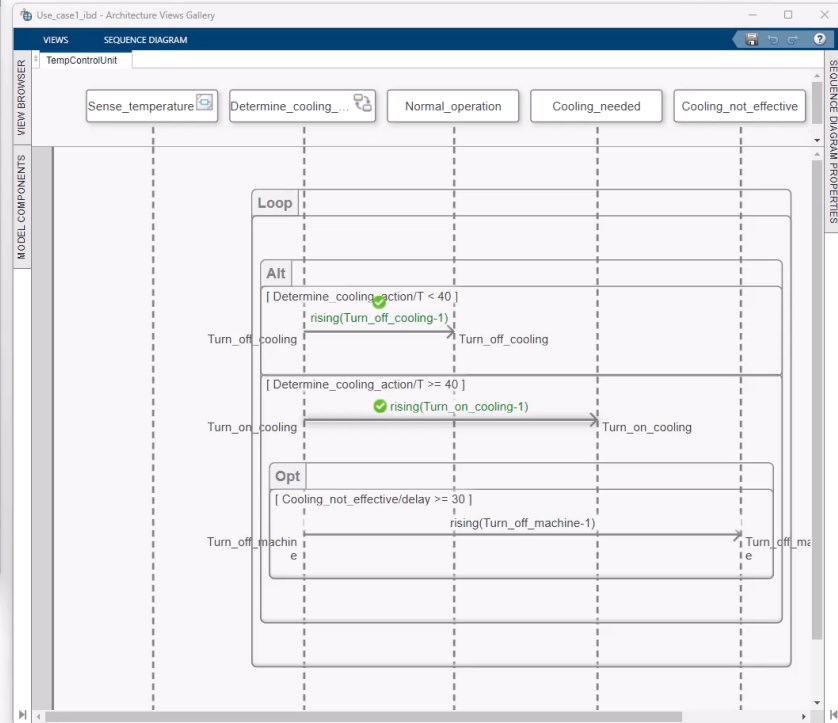
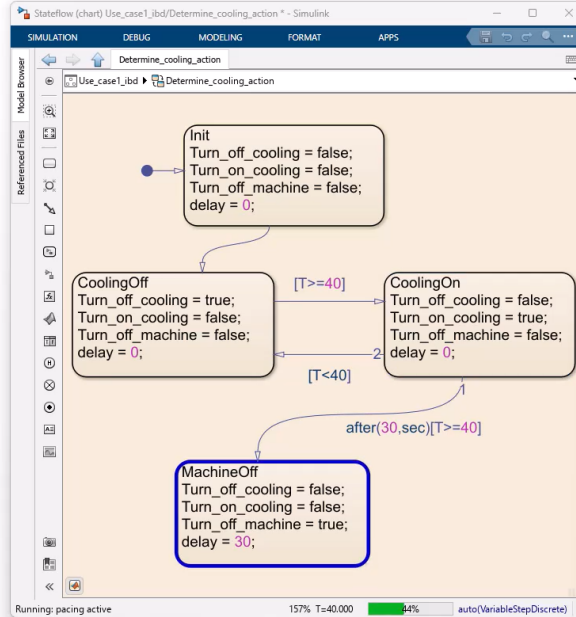
Interoperability through standards

Model evolution and reuse

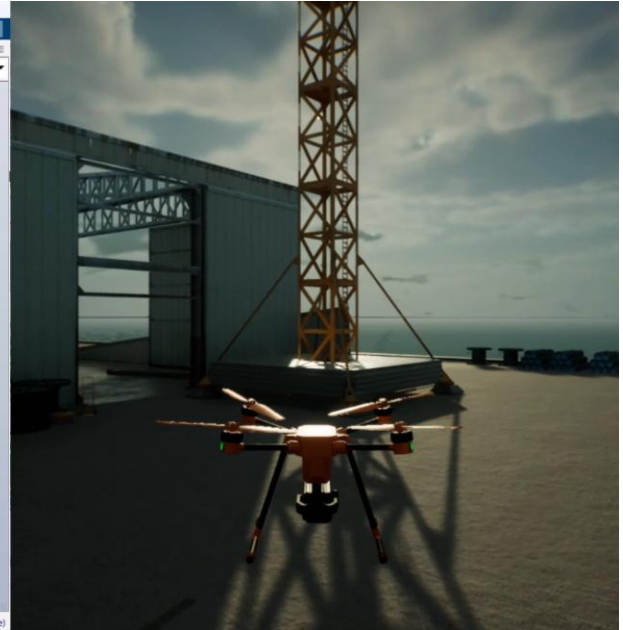
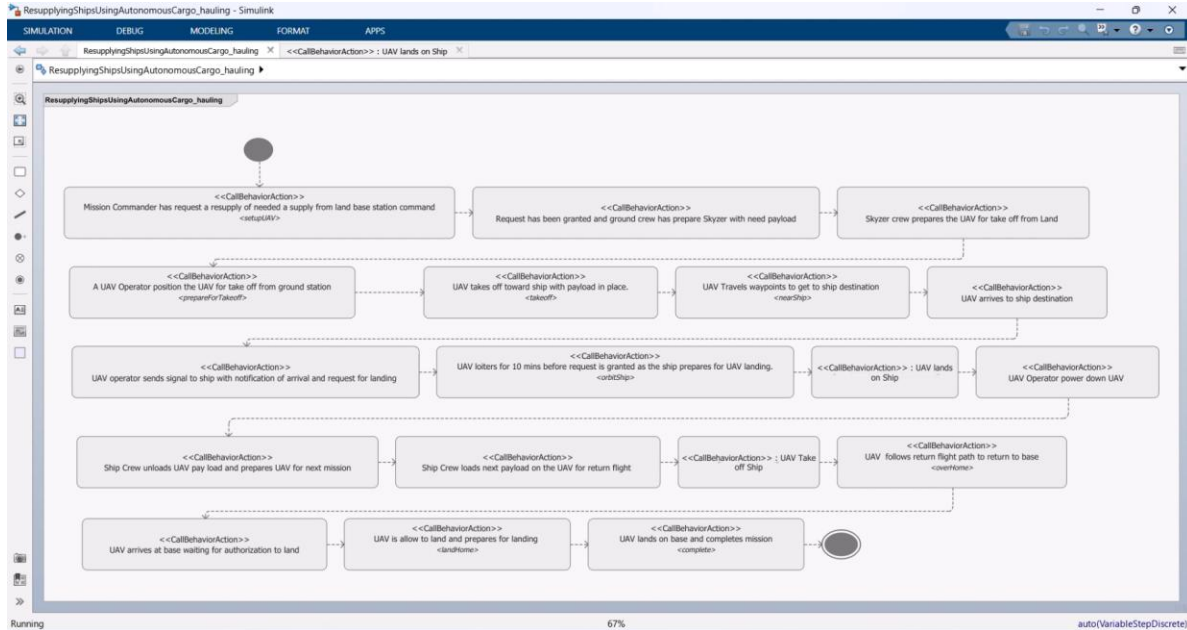
Interoperability through standards

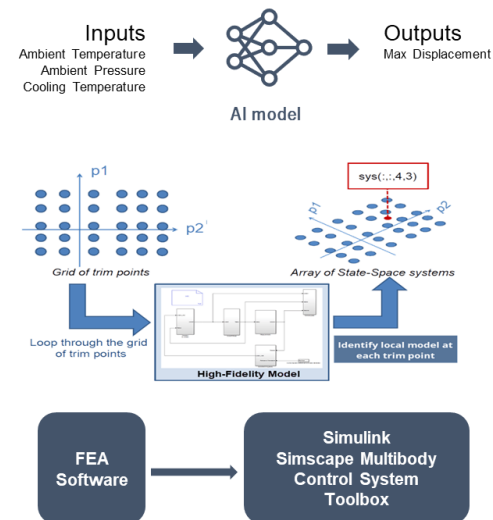
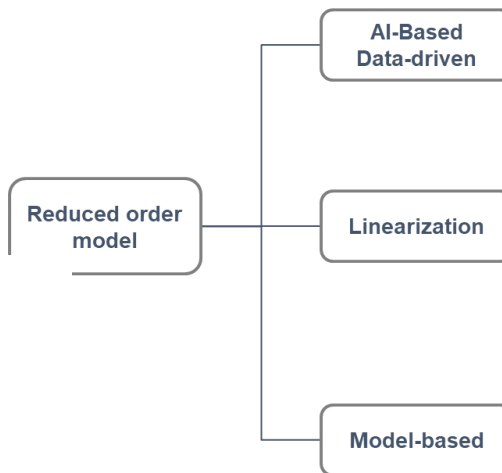
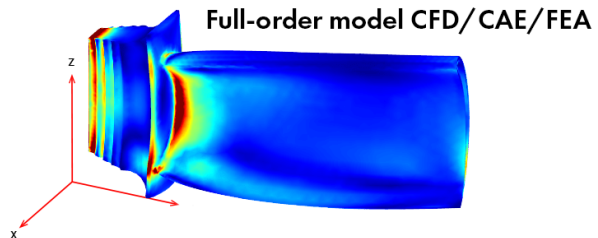


Model evolution and reuse



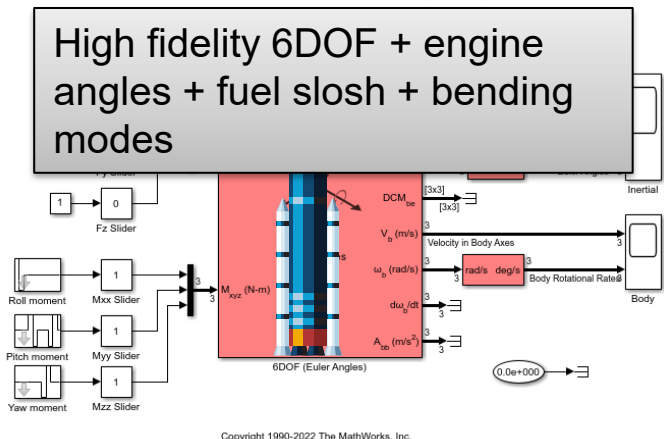
Model evolution and reuse





Model evolution and reuse

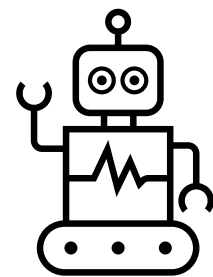
Model evolution and reuse



Model Identification Card
as a way to capture how
and why a model should
be reused.

6DOF-HiFi MIC

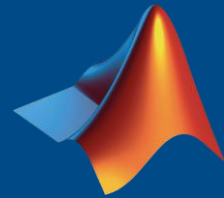
Owner: ...
Model Type: ...
Model Domain: ...
Configurations:
Keywords:



“ModelBot, how can I know if my vehicle will be stable if I make it longer and lighter?”



Thank you!



MathWorks®

Model-Based Systems Engineering