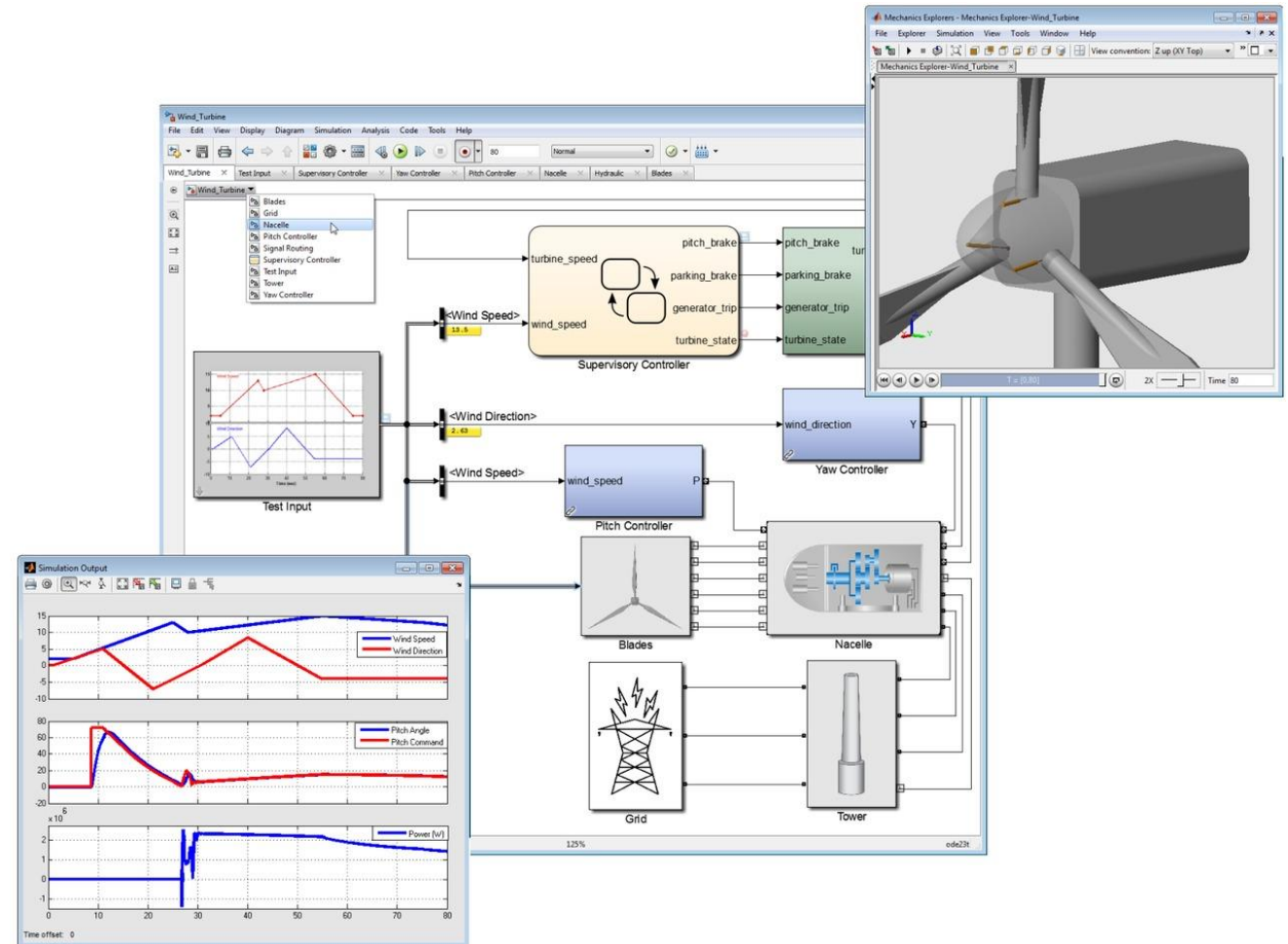




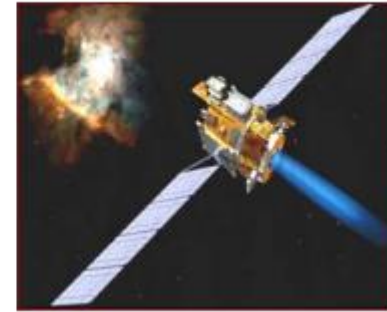
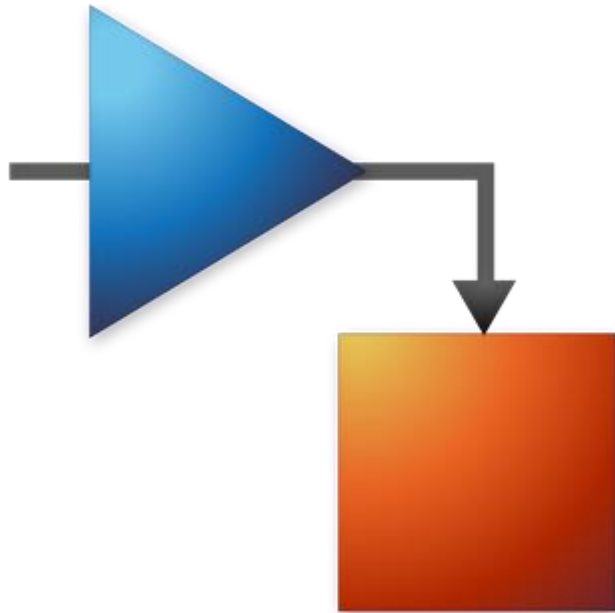
Simulink Tutorial

Outline

- What is Simulink?
- Why do we use Simulink?
- Componentizing models
- Simulations



What is Simulink?

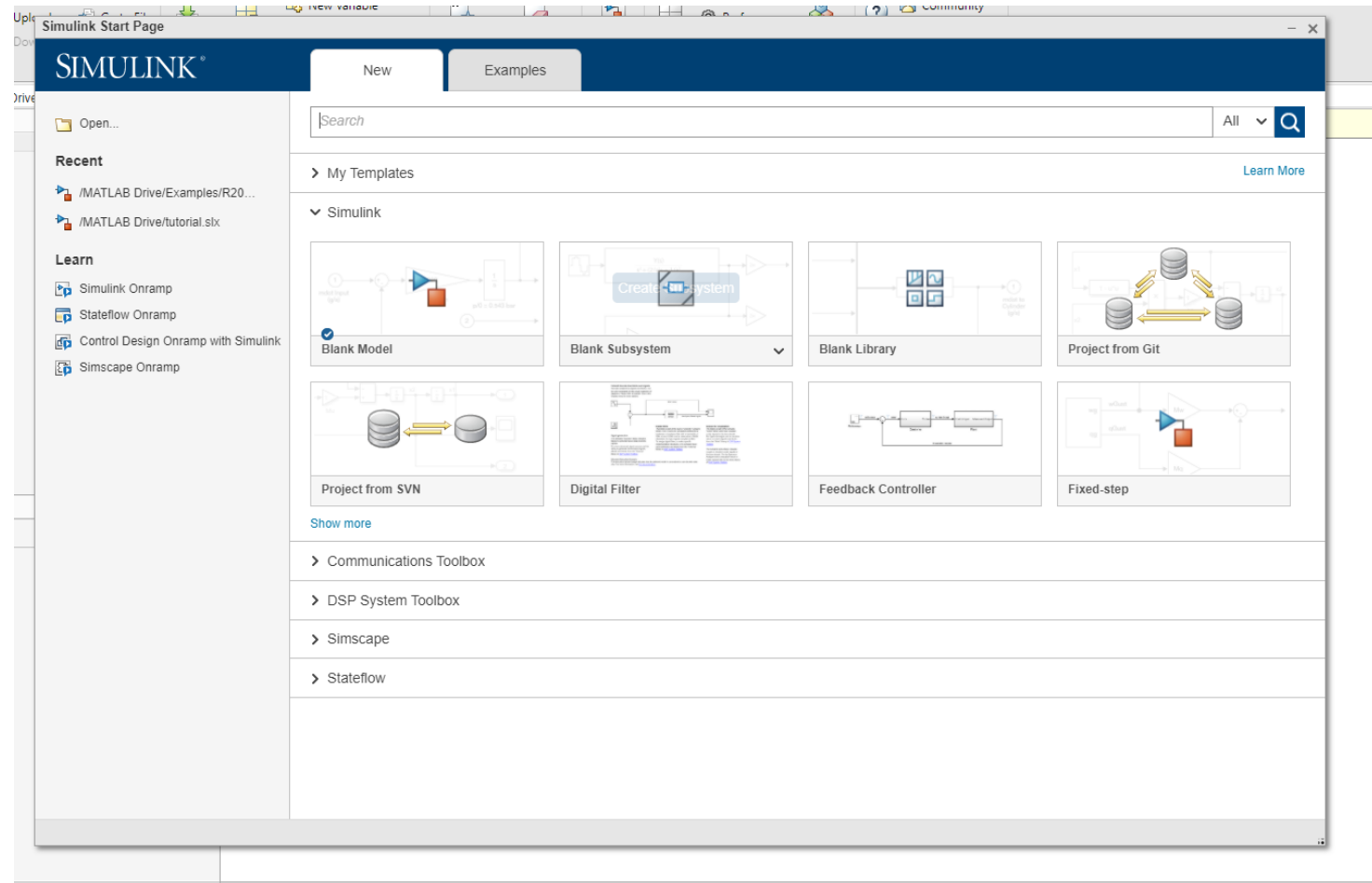


Why do we use Simulink?

- Modeling and simulation
 - Multidomain Dynamic Systems
 - Nonlinear Systems
 - Continuous-time, Discrete-time, Multi-Rate systems
- Plant and Controller Design
 - Rapidly model what-if scenarios
 - Communicate design ideas Embody performance specifications
 - Select/Optimize control architecture and parameters
- Implementation
 - Automatic code generation
 - Rapid prototyping for HIL, SIL
 - Verification and validation

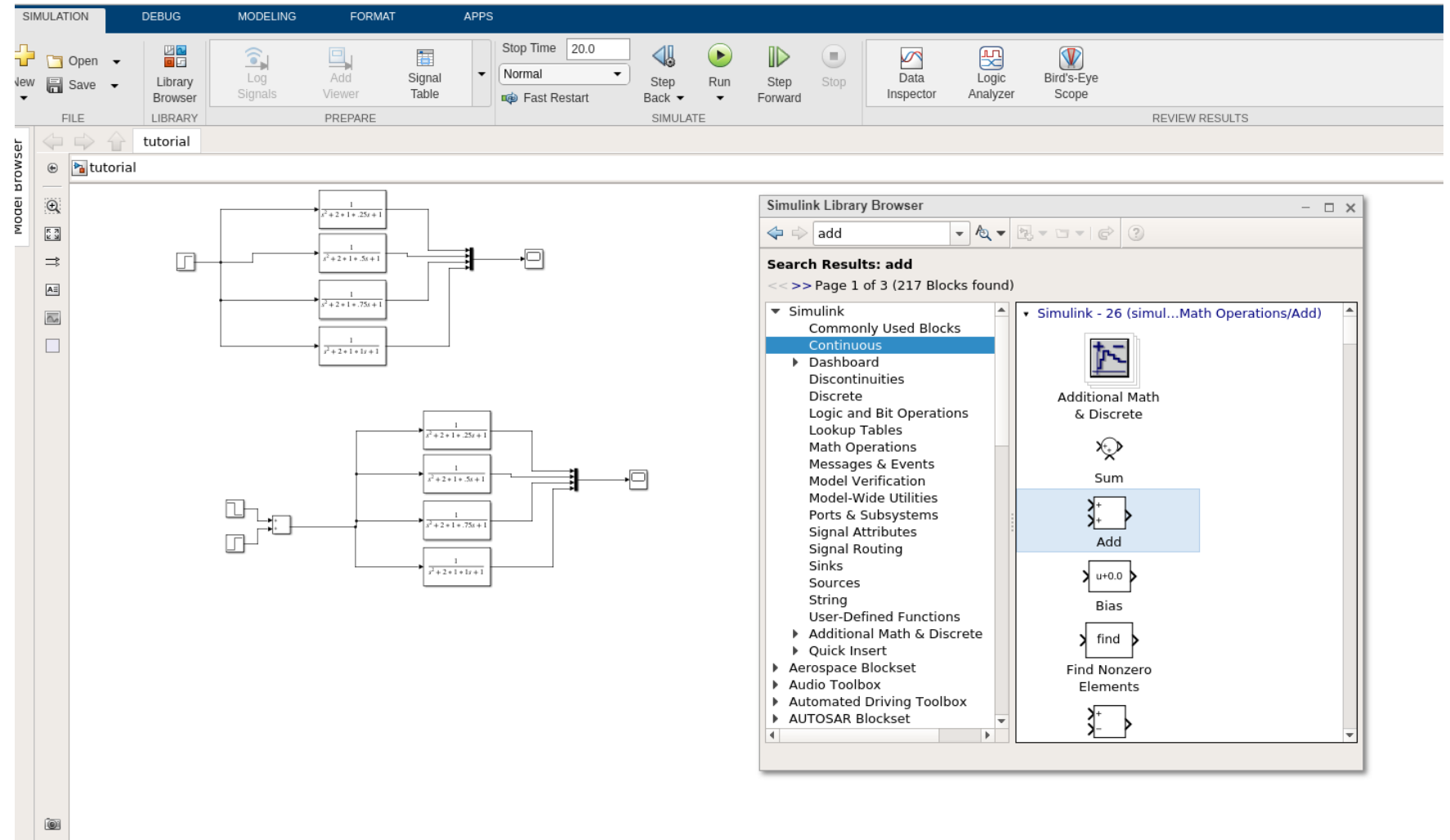
Componentizing models

- Create Templates



Componentizing models

- Library



Simulations

