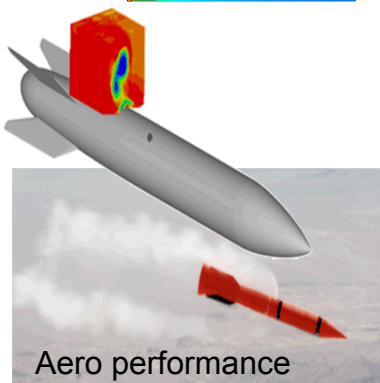
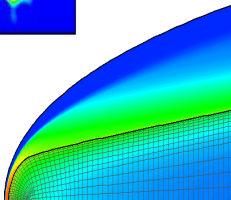
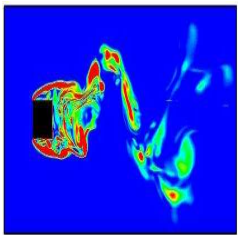


Integrated Environmental Tests and Computational Simulation

SAND2016-2026PE

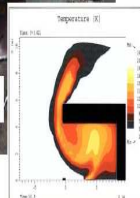
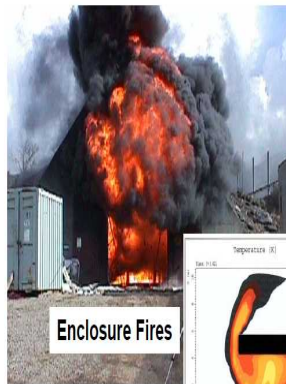
Our mission is to provide validated, science-based engineering expertise and solutions across the life cycle of products (design, manufacturing, qualification, life assessments and resolution of in-service problems) to inform engineering decisions. This requires an Integrated theory, computational simulation and experimental/test capability across length and time scales. Examples of capability impact, include:

Aerosciences



Aero performance

Thermal Events

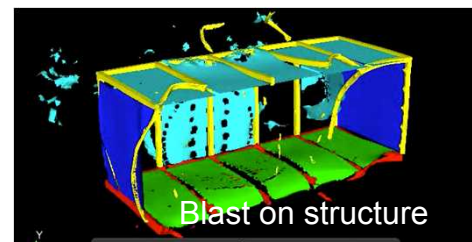
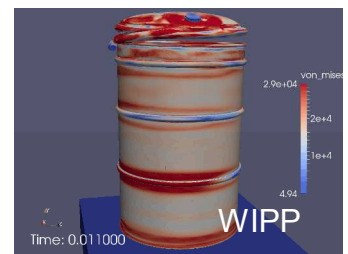
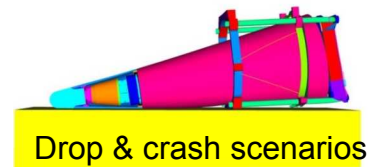


Fire scenarios



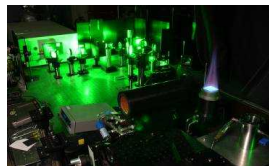
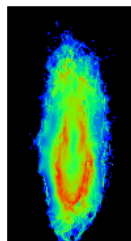
Fuel spill

Mechanical and Blast Events





Wind Tunnels

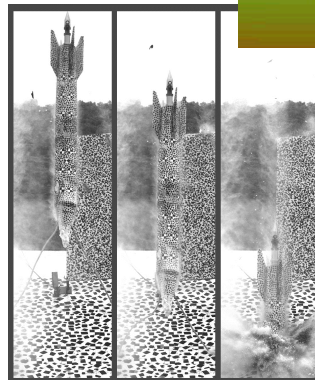
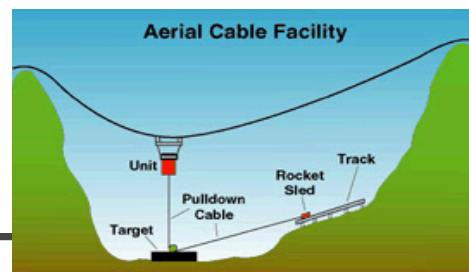


Noninvasive laser-based thermal/flow diagnostics



Sled Track, Blast Tube and Aerial Cable facilities

Modal, vibration, and mechanical shock & centrifuge facilities



Mechanics Lab

Thermal Test Complex



Major Environmental Test

