

## SPEC

SPEC (Systems & Processes Engineering Corp) creates innovative technologies and develops integrated product solutions, including LADAR and LIDAR.



“CST is an excellent toolset to help our engineers design better product solutions for our range, tactical and missile systems.”

— Frank Raffaelli, VP of Research & Development, SPEC

### Challenge

SPEC needed a solution to quicken development and reduce physical prototypes of a broad range of coherent target simulators, digital frequency discriminators, digital exciters, digital filters and digital receivers.

### Solution

SPEC chose SIMULIA’s CST Studio Suite to provide multiple solvers to maximize computational efficiency and accuracy. The solution offers a single user interface for multisolver and multiphysics simulation. Users can construct and edit simulation models using CST Studio Suite’s powerful parametric CAD interface.

### Benefits

The company’s products are highly sophisticated high frequency sensing systems for aerospace and defense. The ability to virtually simulate the performance of its product is a significant advantage that reduces cost, saves time during product development, and allows its engineers to explore more design options.