

## Production Equipment

*Project  
Management*



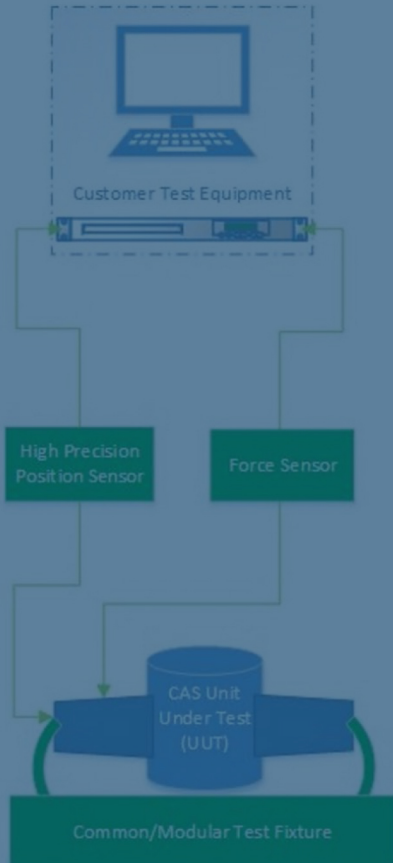
*Mechanical  
Engineering*



*Systems  
Engineering*



*Electrical  
Engineering*



## DESIGNED TEST SYSTEM FOR MISSILE CONTROL ACTUATOR SYSTEM (CAS)

### APPROACH

- Systems engineers assessed client statement of work and extracted client and system requirements for a high-precision modular test system
- Demonstrated flexibility and resilience when requirements changed throughout the project
- Specified high load and high accuracy sensors to ensure client's product would meet performance requirements

### RESULTS

- Reduced cost, complexity, and time by transitioning from two test stands capable of processing 12 configurations each, to a single test stand accommodating all 24 configurations
- Through accurate measurements, lowered risk of operational failure
- Provided design of test equipment to verify unit under test (UUT) design conformance in client acceptance test procedure (ATP) and performance in client design verification test (DVT)
- Systems engineers creatively discovered untapped client needs to solve a highly complex mechanical problem

### KEY TECHNOLOGIES

- Solidworks FEA
- Innoslate
- FEMAP
- Jira