

## Industrial

*Project  
Management*



*Systems  
Engineering*



*Mechanical  
Engineering*



*Electrical  
Engineering*



## EMPLOYING SYSTEMS ENGINEERING METHODOLOGIES TO SOLVE PROBLEMS IN EXISTING PRODUCT LINES

### APPROACH

- Performed reliability analysis of components
- Executed simulations in addition to empirical analysis to prove root cause
- Examined system-level implications of changing a key component

### RESULTS

- Successfully identified and documented root cause of issues
- Provided client with multiple options for resolution with rationale, scope, strengths, and weaknesses of each possible solution
- Completed investigation quickly and efficiently by employing a methodical systems engineering approach

### KEY TECHNOLOGIES

- LTspice
- Oscilloscope captures
- System block diagrams

