

It is important to note that generally historic physical prototype lead designs would always lead to failed initial prototypes thus, wasting.....

- 1) Time in development
- 2) Money due to additional resources (including labour + materials)
- 3) Less profit window due to increased design to market.

Therefore, instead of destructive testing of a physical prototype to measure displacement, using DTS, strain gauges or Photo-elastic ~~techniques~~ techniques or using accelerometers to measure loads, FEA Modeling can be used to simulate a system in a real life scenario.

~~Therefore~~ Therefore, with trusted FEA results, displacement, fatigue stress and other criteria can be found without the need for destructive testing.