Raytheon is experiencing a bottleneck in the testing phase of their electronic package manufacturing process. The team was challenged to design and build a prototype that removes the time-consuming lid placement step from Raytheon’s testing machine. With this step removed, Raytheon will be able to manufacture electronic packages at a faster rate. The prototype must orient and accurately place each lid onto its corresponding module housing.

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With the prototype assembling each module in 30 seconds Raytheon will experience:
- 20 second reduction in test time per module
- Up to a 50% increase in modules tested per day
- $50,000 a year savings from reduced man hours
- Higher repeatability due to reduced human interaction