

TEKREX[®]

Case Studies

IoT Sensor Enclosure

A tech company specializing in IoT sensors for industrial applications needed to design an enclosure for their new system that would allow for “extra durability in harsh environments.”

Challenge

Due to this being a new line, they also needed a way to test the efficacy of the new enclosures.

Our Solution

TekRex once again relied on the Carbon M2 3D printer for the prototyping phase to save time and money over the traditional injection molding process.

After several iterations, a prototype was settled upon and TekRex leveraged its test engineering capabilities to design, code, and implement a test for the new product.



Results



The focus on test engineering during the prototyping phase has led to a smooth production with an over 99% pass rate for products coming off the line.



That success rate coupled with an expedited and cost-effective prototyping phase has led to a successful product launch.