

## Case Study:

# Built to Weather Any Environment

## The Problem

Our customer was building cable assemblies for an agri-tech application that needed a certain level of protection, given that it was being used outdoors in harsh environments. Their assemblies were expensive, took too long to produce and had an unsatisfactory failure rate due to the vibration and stresses they were under when the application was in use.

## The Solution

We re-designed their assembly, replacing expensive die-cast components and in-line fuses with custom, overmoulded solutions. We developed a blended manufacturing model, combining Far East and UK production with part-shipped, overmoulded assemblies shipping from China to be finished off in our UK facility with European OEM connectors. The overmoulded parts protected against vibration and were specifically designed for the application.

## Key Benefits

### Cost Efficiencies

We delivered a 50% cost reduction to the customer by switching to a blended manufacturing model.

### Time Saving

Automated manufacturing and a logistics solution greatly reduced lead times for the overall assembly compared to the original manual build process.

### Business Advantage

The customer was given a superior design, which exceeded their requirements for the application and completely removed failures from the cable assembly in the field.

**Need help with your project?**



+44 (0)1256 472000



[sales@gtk.co.uk](mailto:sales@gtk.co.uk)



[gtk.co.uk](http://gtk.co.uk)

