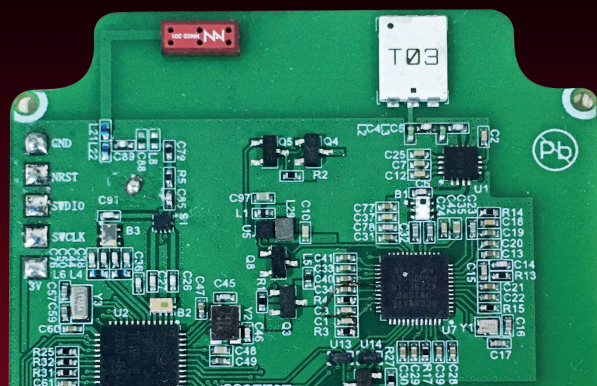


ASSET TRACKING

The optimal IoT antenna for rugged environment.



Company Introduction

EHIGH, as part of the For-Think Group, provides the easiest to integrate positioning system in the industry and are mainly focused on UWB wireless positioning technology and products.



THE CHALLENGE

Ehigh needed a device that would have no issues working in the difficult environmental conditions that can often be found in a coal mine tunnel. This new positioning tag needed to be connected to the cellular network to cover both 915MHz and 2.4G and be ready to handle environmental challenges such as moisture, salt spray and fungus.

“The Ignition antenna meets our product requirements, with a small size for compact design. Also, they secured the supply chain with a short lead time, which is quite important for us nowadays”

Mr Gao – Product Development Director

THE SOLUTION

From the very beginning Ignition’s SMD antennas benefited Ehigh. They provided the device with greater durability needed for reliably working in difficult environmental conditions when compared with FPC antennas or other external or not mounted antenna technologies.

Despite the challenge of finding an embedded antenna component that could cover both 915MHz and 2.4G the Ignition Team was able to provide the solution with the RUN mXTEND™. Moreover, when the designs were being finalized and a new requirement for a smaller than expected device size arose, “There was no problem at all, as Ignition components are frequency neutral, the team proposed using their NN02-201 with a customized matching network as alternative solution to resolve the problem” according to Mr Gao, Product Development Director at Ehigh.

06 working days

Complex design
time solution

1/2

Cost competitive:
Half price against other
dual bands antennas

Impressive
real device
testing results