

CUSTOMER STORY

MSA



Helping to Keep Firefighters Safe with LTE Technology

Mine Safety Appliances, or MSA Safety Incorporated, is a maker of sophisticated safety products that help protect workers who may be exposed to a variety of hazardous conditions. F3 Wireless is helping MSA go to market with a product that will increase situational awareness on the fire scene for firefighters in a building and incident command. This product will help firefighters be more effective in search and rescue situations. F3 also navigated antenna/RF related performance issues and prepared MSA for certifications with their Gas Detector device.

MSA will introduce the Connected Firefighter Platform, driven by LUNAR which is a wireless, handheld device that includes thermal imaging, firefighter ranging, motion alarm and cloud technology with GPS. This device delivers connectivity from firefighter to firefighter, to dispatch and to their officers on and offsite. F3 focused on the design and testing of the directional antenna array and addressed any RF concerns.

PTCRB compliance verifies compliance with global industry standards for wireless cellular devices, so that operators and device manufacturers are confident of a device's interoperability with mobile networks. F3 Wireless helped MSA navigate PTCRB certifications via EMI and RSE mitigation, in addition to achieving AT&T approvals on the Lunar device.

By being an extended part of MSA's engineering team, F3 was able to add RF expertise and expedite MSA's learning curve by laying out a feasible and clear path from design to certification, speeding up time to market.

F3 has brought tremendous value to MSA in guiding us through industrializing our first LTE enabled device. The direction and explanation around certification approval has been instrumental.

- Matt Zirnsak, MSA Safety

