



## Protective Equipment FAQ's

### GoUpSafely (GUS)

Q: What type of technology is used for detection?

A: GUS uses microprocessor filtered capacitive non-contact voltage detection to read e-fields that may be present in an operational environment.

Q. What distance does GUS detect at?

A. GUS detection distances are dependent on the strength of the HV power source. The stronger the e-field, the longer the detection distance

Q. Are detection distances configurable?

A. Yes, however we do the configuration from the factory, so requirements would need to be conveyed prior to purchase. We do not recommend changing distances, as the default ranges are compliant with ASTM F3283 / F3283M - 18

Q. How are the sensors powered?

A. The sensors are wireless and have solar panels that feed the on-board custom NiMh cells. On a full charge a sensor can go for ~60 days without requiring a recharge. If the sensors are above ground in the sun, they will be charging.

Q. If the sensors are wireless, how do they communicate back to the control unit?

A. The sensors communicate via a proprietary 900mhz ISM band Mil-Spec protocol meaning it will not cause any radio interference.

Q. What types of machine will GUS provide protection for?

A. To date we have successfully applied GUS to cranes, excavators, MEWPs, tipper trucks, fire trucks, pavers, concrete pumps and bore drills. The application is much greater, however, as typically anything that may have the potential to come into contact with HV sources could be fitted. We're happy to answer any questions on something we haven't done yet and how we might do it.

Q. Has the system been environmentally tested?

A. Yes. The system is IP67 rated and has been tested in environmental labs to operating temperatures ranging from -30 to +85 Celcius.

Q. What type of power does the control unit require?

A. 12v or 24v automotive. Any auto-mechanic should easily be able to install GUS

Q. How are the GUS sensors affixed to the machine?

A. There are options here, but typically we recommend the included high-powered magnets. These have been tested extensively and allow for some give if a collision with a physical object occurs. There is also custom designed sensor 'legs' that have some flexibility in them allowing for further tolerance of collision.

Q. Is control integration required? What if it isn't needed?

A. No problem, we have sold many 'indication only' systems and are able to offer multiple alert mechanisms (ie. Control panel, light pole, siren, etc.). Basically, tell us what you need and we can make it happen.