

HORIBAMIRA

Support for stationary power application

Case Study Overview

MOXION were developing a mobile power unit based on an EV style battery plus inverter capable of delivering flexible “mains” AC electrical supplies. Primary uses include construction sites, micro-grid supply, festival/event power, TV/film production sets and support during natural disasters/emergencies

MIRA were asked to support the creation and review of IEC 61508 safety work products and process definitions. This included Work Products for scope definition, hazard and risk analysis, fault tree analysis, writing of safety requirements and validation planning.

Successes and Benefits

- MOXION gained confidence in the ability of their product to comply with IEC 61508 requirements, along with benefitting from HORIBA MIRA's Functional Safety experience to help develop the required work products and to guide the system, hardware and software designs.
- Functional Safety adoption has been accelerated by HORIBA MIRA's assistance in developing their processes
- HORIBA MIRA consulting services enabled them to upskill their own team and helped them to develop the work products to meet their project deadlines.

