

## Outdoor Assemblies Mounted within Protective Crash Frames

Crash Frames were developed for the Generator Hire / Event sector in order to provide a safe means of handling large, high current, high value distribution assemblies. Crash frames incorporate overhead lifting points and fork lift pockets, enabling these top heavy assemblies to be moved safely within depots and on site. Crash frames also provide physical protection for the assemblies when they are in transit and in use, which is often in a harsh environment. Various examples of assemblies with crash frames are shown below.

Over the years it has been recognised that crash frames can also provide benefits for permanently installed assemblies, particularly when they are located in vulnerable or exposed positions. Alongside are images of a Shore to Ship Assembly, which is to be permanently installed on a dockside on the North Sea coast. Due to the harsh environment, the enclosure is fabricated from grade 316L stainless steel and it is mounted within a heavy duty, galvanized crash frame. An overhead lifting facility is incorporated to allow the assembly to be positioned but fork lift pockets are not required. Although the socket outlets are rated to IP67, they are mounted within the main enclosure, to provide additional protection from the elements. The underside of the enclosure incorporates slots with protective brushed strips, which enables the plug leads to exit the enclosure when the main door is closed. The assembly also incorporates a separate internal enclosure to house the main switchgear, transformers, SPDs, etc.

If you have a requirement to install equipment in exposed, harsh environments, please contact the Blakley Projects team who will be pleased to discuss your requirements.



Part A7292369 Shore to Ship Assembly, providing 110V RLV and 400V LV supplies for vessels. Cables with plugs enter through the underside via brushed strips. Enclosure fabricated from 316L stainless.



Part A7292293, Power Cluster+



A7084449, 2500A Form 4 Distribution Unit



A7043002 Mobile 1:1 150kVA Transformer

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