Who are Fortress?
Fortress designs and manufactures customised safety equipment, protecting people working in hazardous workplaces. We offer a tailored safety solution which is reliable and extremely durable, guaranteeing minimal downtime while always keeping your people as safe as possible. Fortress are a global business with multiple manufacturing facilities.

amGardpro is the ultimate range of safety gate products for heavy duty applications. Available pre-mounted to a plate and pre-wired for simple installation.

tGard is an easily customisable range of compact aluminium alloyed products for medium duty applications.

Atom is a range of highly robust, high coded and compact guard locking and safety switch products.

Key Sectors

Warehouse Automation
Wood, Paper & Pulp
Metals Production
Food & Beverage
Construction Materials
Automotive

Application Requirement:
An industrial concrete mixer is used in a cement manufacturing plant to mix recently formed cement with other ingredients like aggregates, admixtures, fibres, and water to form a ready-mix concrete. Operators require access into the mixer via the hatch doors to clean the mixer at regular intervals to make sure the mixer runs at optimal efficiency. However, the access hatches must be locked to ensure entry can only be achieved once power to the mixer has been isolated.

Fortress Application Example: Power Interlocking

Concrete Mixer

Application Requirement:
Welding cells are a self contained system of robots safeguarded by a mechanical interlocking system. The safety system must allow operators to enter the cell only when power to the cell has been isolated and when the machinery has come to a controlled stop.

Fortress Application Example: Power Interlocking

FlexArc Robot Welding Cell