

SAFETY HUB

The Safety Hub is a portable, solar operated, readily available first aid and emergency set up.

The Safety Hub is set up to provide a holistic solution to first aid on site.

It is a portable, visible, fully equipped, solar powered, first aid and emergency station.



Fully equipped Safety Hub used on Site (left) and the interior of the Safety Hub (right)

The Situation

On the Southern Program Alliance (SPA) Glen Huntly project, there are multiple construction activities occurring with a range of associated hazards.

Out on site, safety supplies are generally provided in safety stations/boxes, which are limited in their contents; and emergency set ups are located centrally, limiting immediate access to workers conducting peripheral works.

It can also be very costly to provide full fixed set ups for short term activities, and if not provided, can cause work stoppage and schedule delays.

This prompted the SPA Glen Huntly team to investigate a better alternative.

The Solution

The Safety Hub solves the concerns around compliance with emergency stations, welfare, and key information sharing.

The Safety Hubs' ease of deployment and portability is the result of it being the size of a standard shipping container.

The prototype is currently equipped with:

- General first aid equipment
- Defib unit
- Rescue equipment (stretcher/rope rescue kit etc)
- Running water
- Solar power

It also provides updated vehicle management plans, access routes and gates, company procedures and key information like safety data sheets, emergency responders, first aiders, and incident reporting.

Benefits and learnings

- Avoids the need for fixed site amenities that involve additional costs and construction.
- Readily deployed and independent of power mains due to it being solar powered.
- Fits into a standard shipping container making it convenient to transport to work sites and lift into place via crane saving time, energy, and money.
- Can be used on multiple projects as it is easy to transfer and deploy.
- Ideal for expansive sites where work fronts are separated by distance.
- Avoids duplication of first aid facilities.
- Provides an accessible location for information on emergency responders, vehicle management plans and a central repository for documents, posters and related safety information that can be easily updated when required.

Program Office: LXP – Southern Program Alliance
Work Package: Additional Works Package 4 – Glen Huntly
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Solution vendor: Southern Program Alliance
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