Construcción

Good Practices Report 2025

FCC CONSTRUCTION DIVISION – JOINT HEALTH AND SAFETY SERVICE

At FCC Construction Division, we encourage the implementation of good practices in our work centres as a basis for the continuous improvement of both preventive procedures and management.

The following list contains a number of these practices that we consider to be the most significant in 2025. We are publishing them with the intention of spreading them to the rest of the organisation.

Index

1

1. **INDEX**

2. **GOOD PRACTICES IN PREVENTIVE CULTURE**

3. **GOOD IMPLEMENTATION PRACTICES**

4. **GOOD PRACTICES CONCERNING EQUIPMENT AND TOOLS**

2

Good pratices in preventive culture

GOOD PRACTICE NO. 1: "RISK DETECTION AND REPORTING USING QR CODES"

COMPANY: FCC CONSTRUCTION DIVISION – UK & IRELAND

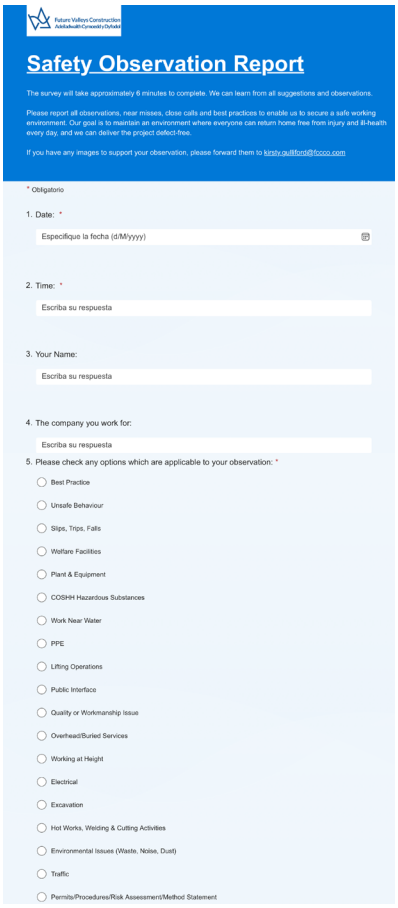
PROJECT: 3P64 A465 HEADS OF VALLEY

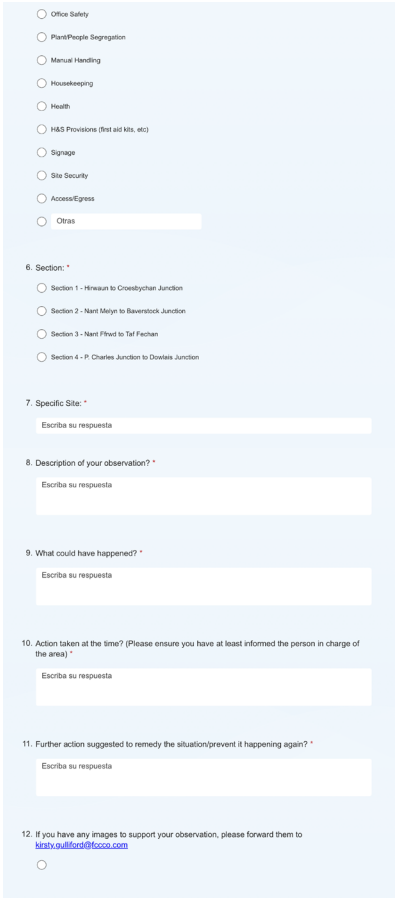
Description

To make it quick and easy for workers to report risks detected on site.

Good practice adopted

A QR code is printed on stickers on workers' helmets. When a risk is detected, the worker can scan the QR code, which opens an online form they can use to report the risk. The Health and Safety team on site is notified immediately.





GOOD PRACTICE NO. 2: “SKIN CARE AND PROTECTION”

COMPANY: CONVENSA

PROJECT: 3U50 VALENCIA CHESTE EMERGENCY

Description

Due to the high temperatures and intensity of UV radiation in summer months, workers on site are provided with an accessory consisting of a visor and neck covering to be fitted to their helmets.

Good practice adopted

This accessory protects the worker from the direct effects of the sun’s rays on their face and neck, reducing the increase in the temperature of these parts of the body.

GOOD PRACTICE NO. 3: "BAD WEATHER APPS"

COMPANY: CONVENSA

PROJECT: 3U11 MURCIA – LORCA BASE ASSEMBLY JV

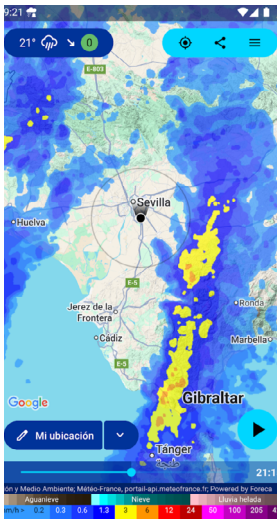
Description

Mobile phone and tablet apps are provided to give information on adverse weather conditions (specifically torrential rain, hailstones and thunderstorms).

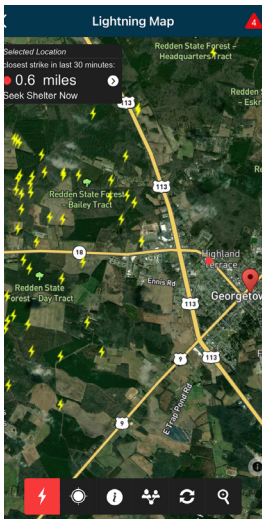
Good practice adopted

The Murcia-Lorca Base Assembly JV and Convensa team have been provided with the "Rain Alarm" and "Weather Bug" apps. The use of these apps has been satisfactory, as they have enabled the adoption of measures to stop and evacuate work areas, when appropriate.

"Rain Alarm" app: protection against torrential rain and hailstones



"Weather Bug" app: protection against thunderstorms



Evacuation of the site due to a hailstorm

GOOD PRACTICE NO. 4: "LOCATION OF NEARBY DEFIBRILLATORS"

COMPANY: FCC CONSTRUCTION DIVISION – CORPORATE CONSTRUCTIONS

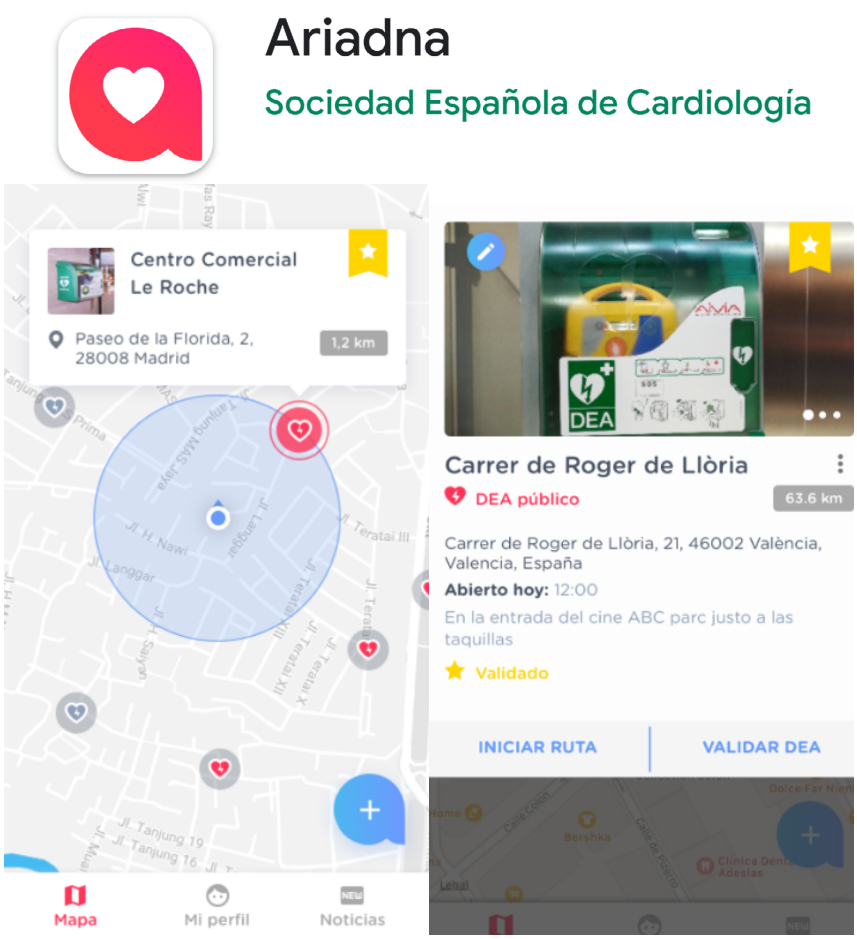
PROJECT: ALL WORK CENTRES

Description

It is essential to know where the nearest defibrillators are in the event of a worker suffering cardiac arrest on site (whether due to an unknown cause or others deriving from, for example, electric shock).

Good practice adopted

- The location of the nearest defibrillator is displayed on the site's health and safety board, along with the addresses of nearby healthcare facilities.
- The site's Health and Safety Officer will also have the free "Ariadna" app on their mobile so they can report the location of the nearest defibrillator for any position of a worker.



The "Ariadna" app used to locate the nearest defibrillators (in public and private places)

Format to be put up on the health and safety board

GOOD PRACTICE NO. 5: "AERIAL DRONE PHOTOGRAPHS FOR WEEKLY COORDINATION OF ACTIVITIES"

COMPANY: FCC CONSTRUCTION DIVISION – AUSTRALIA

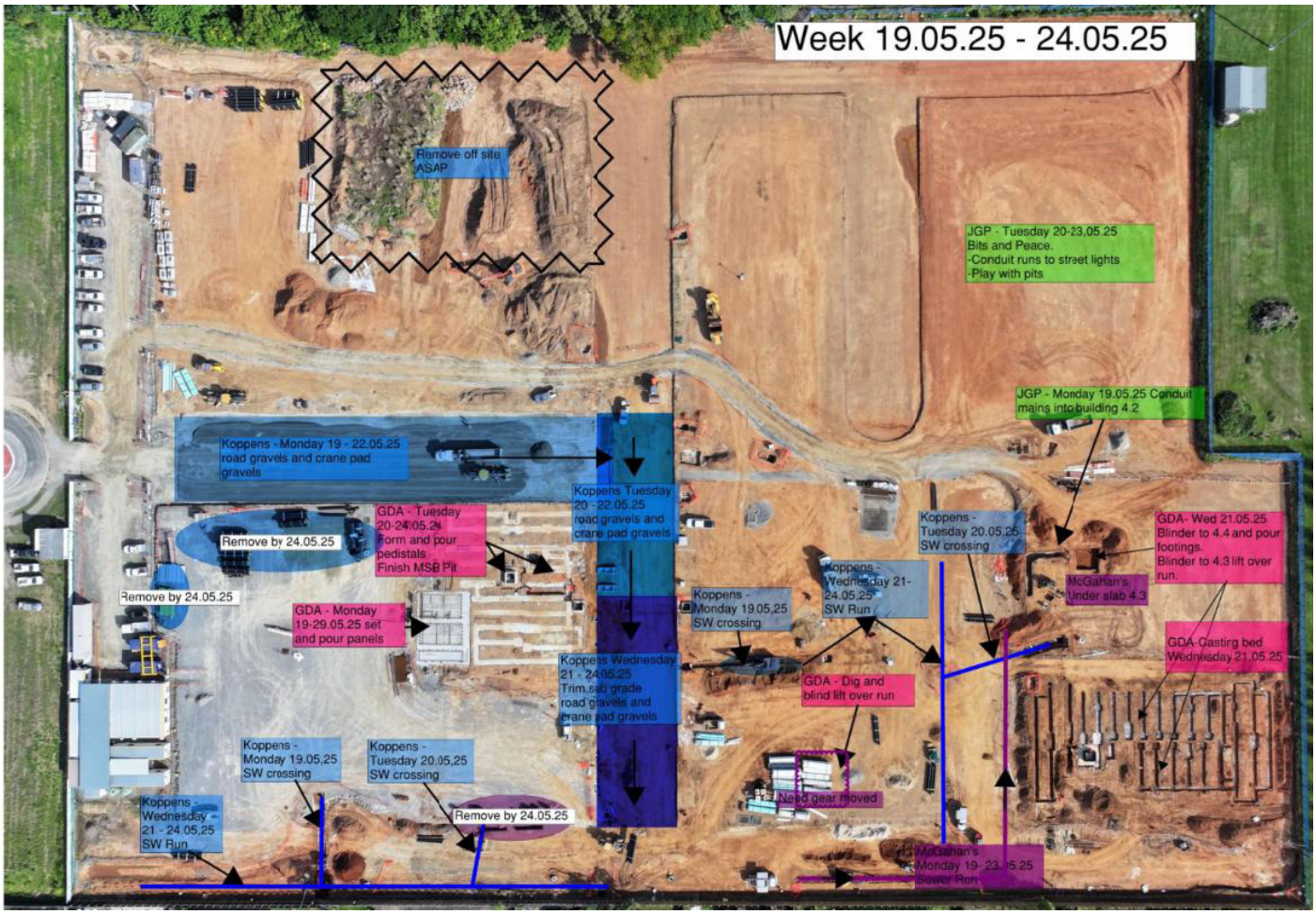
PROJECT: 3U31 CAIRNS SOCIAL HOUSING

Description

Weekly planning of project activities.

Good practice adopted

Aerial images taken by drones provide ongoing updates on the project, such as excavations, stockpiles, changes of level, hazardous areas, completed work, etc. Interactions between workers and work zones can be managed and the controls needed for the following week can be implemented, such as changes to transport routes, pedestrian areas, etc. It is also possible to assess unforeseen risks and anticipate the preventative measures required.



3

Good implementation practices

GOOD PRACTICE NO. 6: "SEAT BELT WARNING LIGHT FOR MACHINERY"

COMPANY: FCC CONSTRUCTION DIVISION – SOUTHERN ZONE (CANARY ISLANDS)

PROJECT: 3T18 ARONA SANITATION

Description

Warning light on earthmoving machinery for detection of seat belt usage.

Good practice adopted

Green indicator lights are being placed on earthmoving machinery to show from outside that each worker is using a seat belt.

GOOD PRACTICE NO. 7: "MOBILE ANCHOR POINT"

COMPANY: FCC CONSTRUCTION DIVISION – CORPORATE CONSTRUCTIONS

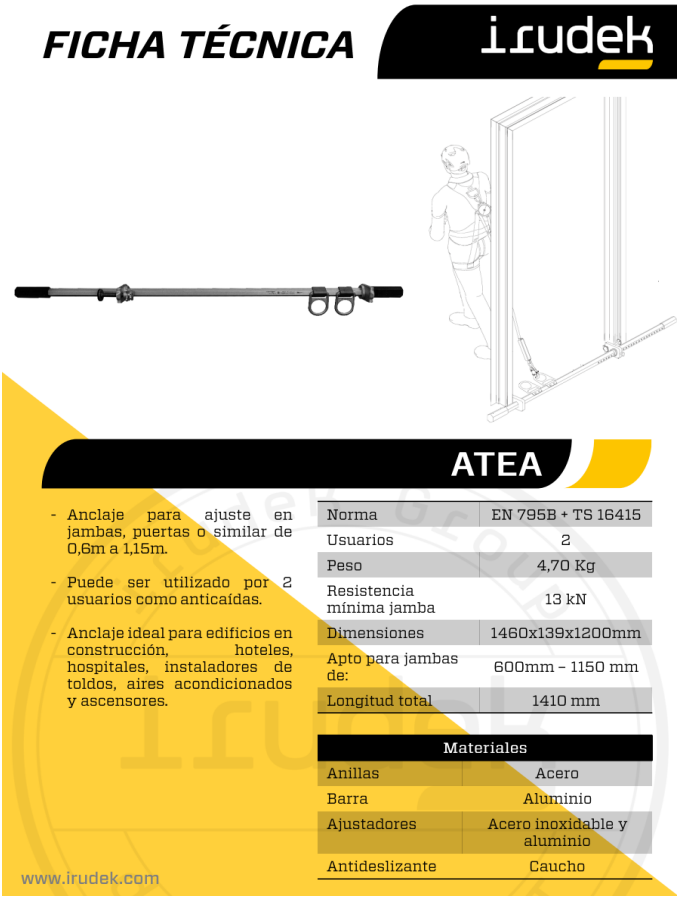
PROJECT: ALL WORK CENTRES

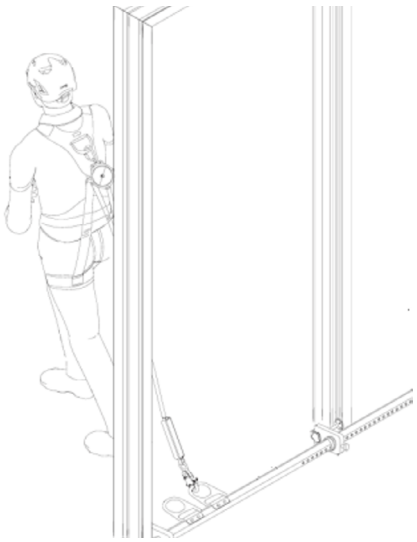
Description

When a project is completed (or close to completion), it may be necessary to perform work on terraces or overhangs where the working height exceeds the installed railings and it is not feasible to place anchor points or lifelines, resulting in a risk of falling from height.

Good practice adopted

An approved element has been chosen as an anchor point that is easy to use and install for working at height safely. It is designed as a temporary anchor point on door jambs, windows, gantries, etc.





GOOD PRACTICE NO. 8: "PREVENTIVE MEASURES AGAINST ELECTRICAL RISK"

COMPANY: FCC CONSTRUCTION DIVISION – PORTUGAL

PROJECT: 3R57 IP - SMM COIMBRA B

Description

The objective is to reduce electrical risk in the following equipment and work areas: 1. Scaffolding; 2. Generators and 3. The services affected.

Good practice adopted

The good practices adopted for prevention of on-site electrical risks are:

- Verification of the assembly of scaffolding, ensuring it is assembled and earthed correctly.
- Verification of generators, including earthing.
- Services affected: signs and marking of risk zones, cutting of de-energised cables, always guaranteeing the correct procedure is followed and use of the necessary PPE.

GOOD PRACTICE NO. 9: "ESTABLISHMENT OF PEDESTRIAN ACCESS AND USE OF NON-SLIP SURFACES"

COMPANY: FCC CONSTRUCTION DIVISION – NORWAY

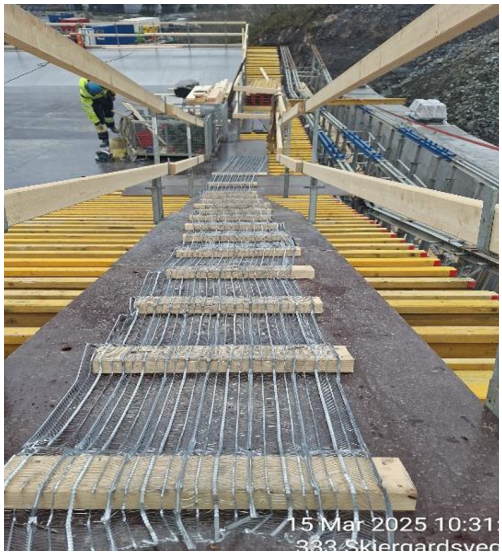
PROJECT: 3R07 SOTRA LINK CONS JV

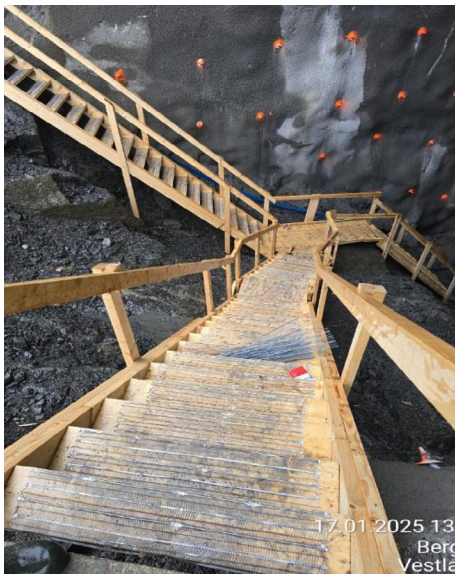
Description

This good practice stems from the existence of very slippery surfaces in work areas and on public pedestrian routes near the project's construction activities due to local weather conditions, mainly rain, ice and flooding.

Good practice adopted

The pedestrian access established for the public in flood-prone areas and the placement of non-slip steps or surfaces on stairs help to minimise accidents due to slips, trips and falls.





4

Good practices concerning equipment and tools

GOOD PRACTICE NO. 10: "REAL-TIME NOTIFICATION SYSTEM"

COMPANY: FCC CONSTRUCTION DIVISION – UK & IRELAND

PROJECT: 3P64 A465 HEADS OF VALLEY

Description

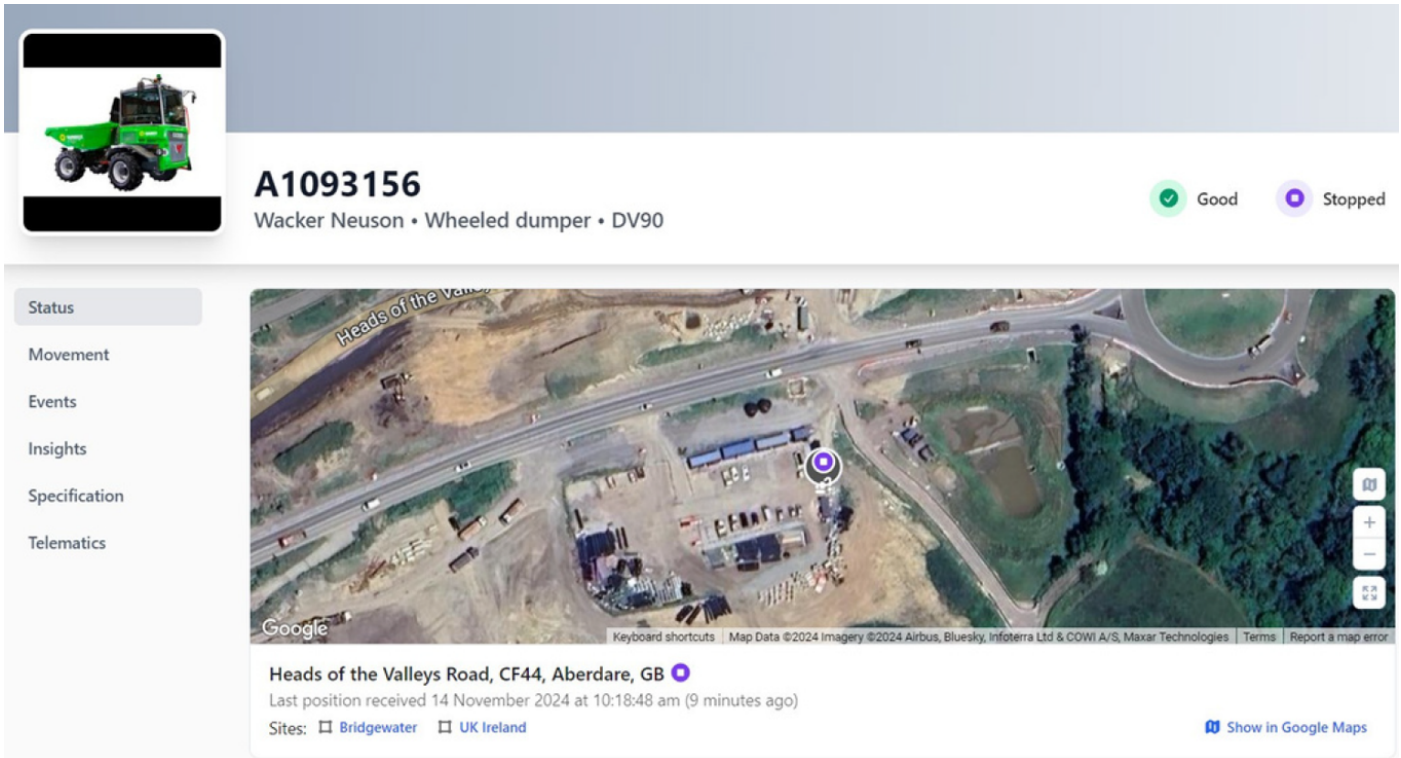
Technological advances can be a great help in preventing on-site risks. In this case, the supplier of the leased machinery had two real-time notification and reporting systems for its equipment.

Good practice adopted

The two systems supplied by the supplier of the leased machinery are:

- "Track Unit", which shows the GPS location of the machine, the speed it is travelling at (in real time and on previous days), how much fuel it has and whether the engine is running. This means the speed of the machine can be monitored and proactive conversations can be held with drivers to prevent incidents, as necessary.

- "Live Link," which uses internet data transmission to monitor, in addition to what is mentioned for "Track Unit," the log of events for the machine, fuel levels, critical alerts and real-time alerts for location outside the safety perimeter and out-of-hours use. It can even monitor whether the operator's seatbelt is fastened or fastened incorrectly (behind the driver).



GOOD PRACTICE NO. 11: "REMOVAL OF RUBBLE USING A SELF-TIPPING CONTAINER"

COMPANY: FCC CONSTRUCTION DIVISION – EAST ZONE (CATALONIA)

PROJECT: 3T39 MONTCADA JV - 2590 LINE 9 JV

Description

Due to the features of these projects, suspended loads must be used for delivering materials and removing them from the site. A solution was needed to minimise the risks associated with this activity.

Good practice adopted

Automatic unloading containers are being used. These have the advantage that they do not require manual involvement, as they have a tipping mechanism activated by a tilting arch, avoiding risks to the operator.

GOOD PRACTICE NO. 12: "ACCESS LADDER FOR FOUNDATIONS"

COMPANY: FCC CONSTRUCTION DIVISION – NORTHERN ZONE (ASTURIAS)

PROJECT: 3S06 RIBADESELLA BRIDGE JV

Description

Use of a telescopic aluminium ladder with a platform as a safe way to access lower levels, reducing risks associated with falls from height and improvised accesses.

Good practice adopted

A telescopic aluminium ladder with a platform and non-slip elements has been installed to access the base of the excavated foundations for the piles, where there is water and a pumping system.

GOOD PRACTICE NO. 13: "CONCRETE KERBS INSTALLER"

COMPANY: FCC CONSTRUCTION DIVISION – CHILE

PROJECT: 3Q26 INDUSTRIAL BRIDGE

Description

Alternative solution for the installation of kerbs, as this task usually involved two workers lifting each 90 kg kerb, which exceeds the maximum load per person.

Good practice adopted

A loading device or tool (concrete kerbs installer) has been chosen, enabling these kerbs to be moved without workers directly carrying them.

GOOD PRACTICE NO. 14: "USE OF MAGNETISED LIFTING DEVICE (MAG-GRIP)"

COMPANY: FCC CONSTRUCTION DIVISION – AUSTRALIA

PROJECT: 3U66 BARWON HEADS ROAD

Description

Trapping points are common when handling drilling rods. As these are cylindrical, they can roll on trestle tables or when being unloaded from lorries, so they can cause fractures of fingers and hands. Other accidents that can occur derive from the risk of them falling or cuts due to sharp edges.

Good practice adopted

The "Mag-Grip" lifting device attaches to pipes by magnetism. It features an ergonomic, pivoting handle that prevents accidental release and facilitates a comfortable grip. This technology is specially designed to follow the curve of the pipe, offering much greater strength/traction by adapting to the material it grips.

FCC

Construcción