

# Mobile Elevated Work Platforms



Your choice of vehicle

**Safetech Designed, Australian Made**



# Vehicle-mounted EWP



## Overhead tunnel maintenance just got easier!

Safetech's ongoing partnership with global mining vehicle brands continues with our latest Vehicle mounted EWP collaboration, this time with Drivetrain Power Systems.

This unit will be used in underground mines to provide workers with a secure and trustworthy platform for all their overhead maintenance tasks.

For this project, Drivetrain have chosen the Kovatera KT200 platform to serve as the base for Safetech's custom-designed triple scissor EWP.

The simple but durable chassis made the scissor lift Integration easy, both electronically and mechanically.

The scissor lift includes both onboard and base controls, rear stabilisers to level out the Vehicle on uneven terrain and provide rigidity during operation.

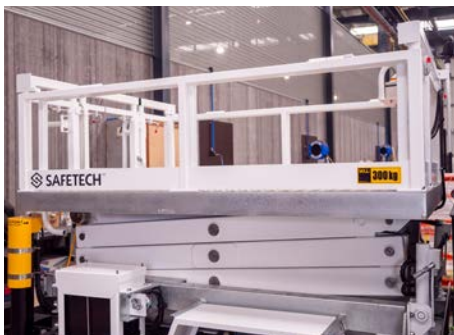
The handrails can be manually lowered for transit and provide a secure barrier while raised.

### Features:

- Easy-to-use, stainless steel control panels
- Stabilisers
- Onboard control system
- Triple scissor high reach
- 350kg capacity



3400mm of vertical travel



Robust construction



Personnel safety



User-friendly lift controls



# Light Truck Mounted EWP



## Versatile applications, medium footprint

Light rigid trucks present a wide range of opportunities for platform implementation and for use in various applications.

This AutoGlass example allows for large racks for glass storage to be placed on the platform.

The large platform allows workers to load all the necessary parts onto the unit to perform the glass replacement without having to repeatedly lower the unit.

### Features:

- Manual load flap
- Large platform area
- Custom loading and mounting points



Meticulously detailed



Versatile layout



Load flap with swing out gates



Easy to load



# Heavy Rigid Mining EWP



## When Size Matters

Safetech's latest high-tech EWP combines the skills of Safetech's lifting solutions team with Scania's specialised vehicles division to produce a market leading EWP with unparalleled performance and features.

Used to maintain excavators on mining sites, its capable of lifting 1500 kgs of equipment and workers.

Self-levelling stabilisers for easy setup on the uneven terrain typically encountered on many mining sites.

The platform can traverse 3m from the rear of the truck at any elevation. This improves access and reduces the need to tightly position the truck next to the excavator.

Integrated fold out stairs provide easy safe access to the 7.5m platform that can be side loaded by forklift.

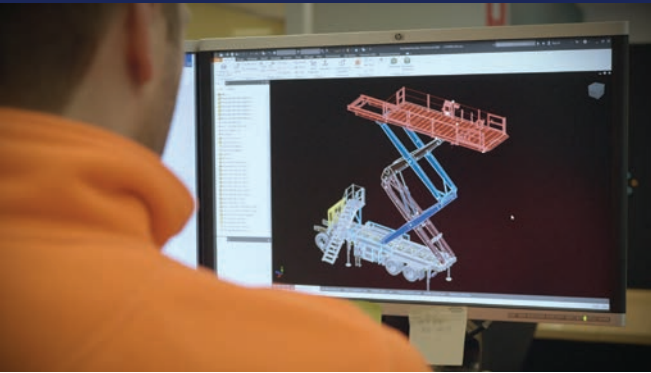
Custom designed to handle harsh mining environments

These features are combined with remote diagnostics to ensure maximum efficiency with minimum downtime.





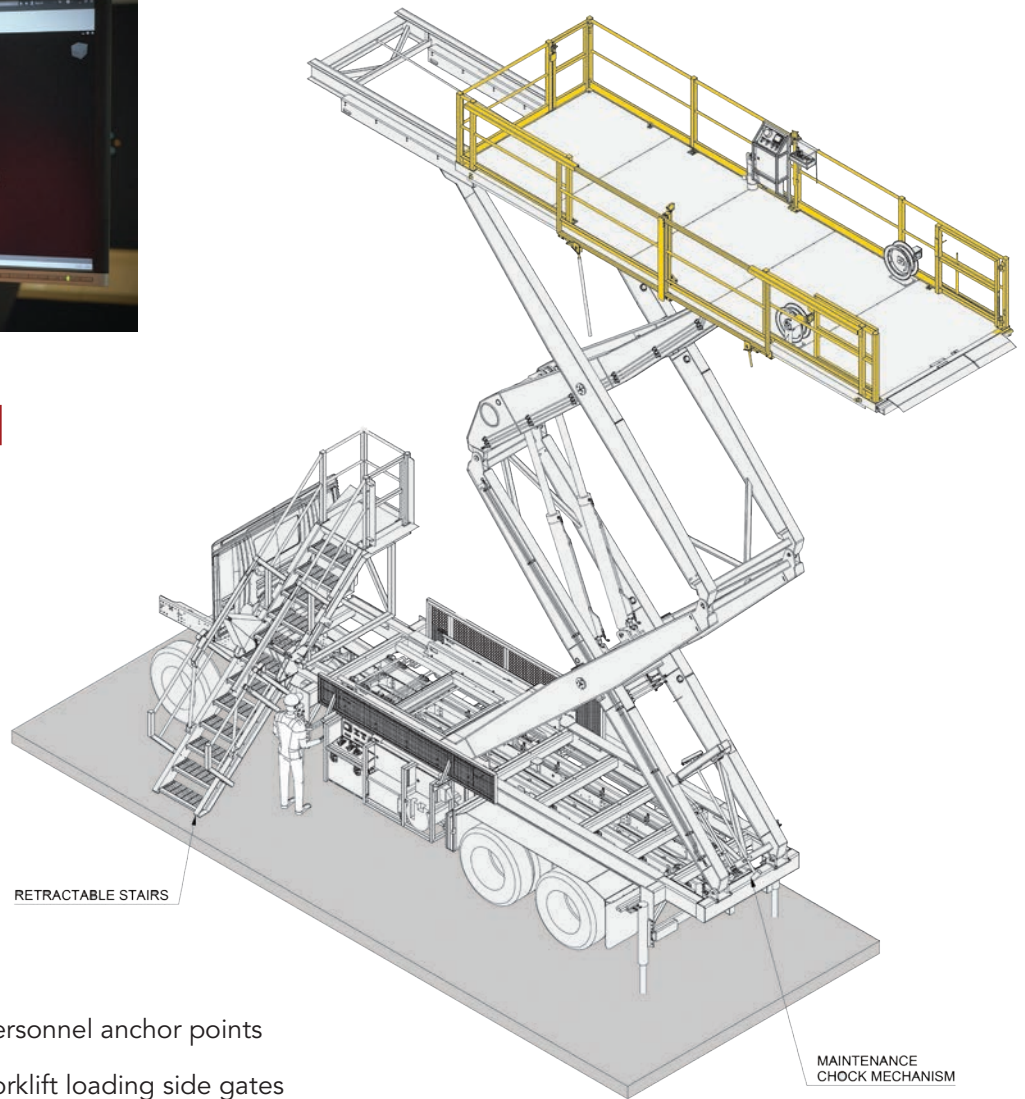
# Design



## Safetech Designed

The Safetech engineering team used its experience in vertical lifting to design this EWP from the ground up.

Other platforms have been designed before. But due to the scale and complexity of this unit, extensive testing and refinements were required to arrive at the final product.

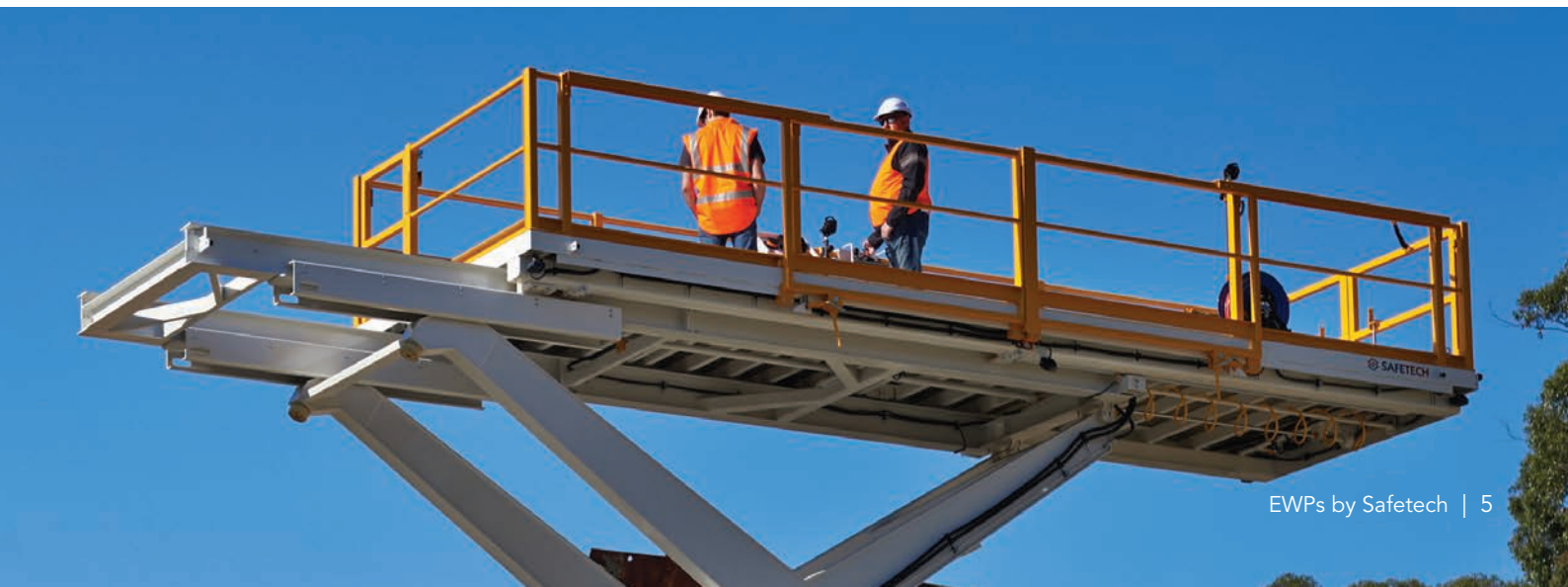


## Feature Highlights

- 11m of height
- Personnel anchor points
- 3m traversing platform
- Forklift loading side gates
- Double scissor configuration
- 1500kg capacity

## Traversing Platform

This feature enables the customer to efficiently bridge the gap between platform and equipment without lowering and In this instance, the client receives the benefits of both the larger working platform and capacity of a scissor lift, with the reach and precision of a boom arm.





# Features



## The Truck

The Scania P380 XT was chosen as the truck to carry the EWP.

The XT range provides features that help it endure the harsh Australian conditions in which it will operate, including:

- High air intake,
- Headlamp protection,
- Upgraded front bumper
- Durable power-train.



## Access

When compressed, access to the platform is achieved by the tailor made electric powered retractable stairs.

The lower half of the stairs retract to a vertical position seamlessly and silently to sit within the footprint of the vehicle.

Dedicated controls on the base unit close to the stairs ensures a safe and calculated decent.



## Platform

The workable platform space (excluding the stair landing) is 7.5m long and 2.4m wide. Providing ample space to load materials with room to spare for workers to maneuver and carry out their tasks without leaving equipment back at ground level.

### Components installed include:

- Air hose for easy tool connection
- Mobile control station
- Work lights
- Tie down and anchor points





# Controls



## Operation

With every application, Safetech considers the user operation as much as its core functionality. This EWP is no different.

With a custom intuitive control system that can be used with minimal training, both the base station and platform controls provide a trustworthy hub for safe and efficient operation.

Manual operation from the override panels allows full control in every situation



## Smart Control System

The user gains valuable real-time monitoring and operation information through the smart management system.

From the operations screen at either the base station or platform controls, important information such as stabiliser pressures, truck angle, platform status and other critical reports can be seen.

This system can be remotely accessed with an internet connection for diagnostic and analytical purposes.



## Stabilisers

The EWP incorporates 4 chassis mounted stabilisers maintaining a compact footprint.

The final EWP design prevented the need for outboard extending outriggers.

The stabilisers are self levelling with the option of manual operation.





# Underground Maintenance EWP



## Harsh environments require durable solutions

Elphinstone's WR810 mounted Safetech single scissor EWP perfectly demonstrates the standard of design expected of any Safetech product.

As the original equipment manufacturer, Elphinstone purpose built the WR810 with the Safetech EWP specifically for underground mining maintenance. The platform dimensions and details were considered to work with the vehicles articulating chassis and systems.

### Features:

- 5000kg capacity
- 4200mm lift height
- Twin side access gate
- Removable rear section for loading
- Heavy duty handrail and fall protection

