

# FUELFIX Go-Greener<sup>®</sup>

Fuelfix low emission and  
zero emission range



**Focused On Your Fuel** *Transition*

**Our solutions are designed to help you  
achieve a cleaner energy future**



# Go-greener with our new products

**Fuelfix & Tanks2Go is developing innovative solutions to help our customers transition to a cleaner energy future.**

Our low emission and zero emission equipment offer our customers options to reduce or eliminate their fuel usage costs, lower maintenance requirements and reduce scope 1 and scope 2 emissions.

Through our industry tested range of solar, hybrid and battery driven equipment and our national footprint, Fuelfix delivers solutions to improve operational fuel efficiency without risk to reliability.



## Zero Emission - Solar & Battery driven

Equipment powered by renewable energy source with zero exhaust fumes and zero emissions.

## Low Emission - Hybrid

Smart hybrid system that uses solar-battery power with diesel driven power to top-up batteries reducing carbon emissions and generating cleaner power. Equipment can be powered with solar energy to reduce emissions by up to 90%.



# Light up a greener future

## Fuelfix hybrid and solar lighting towers

Fuelfix's range of hybrid-powered and solar light towers are designed to help you transition to a clean-energy future and achieve greater energy efficiency.

- ✓ **Improve operational efficiencies and lower operating costs**
- ✓ **Commit to best practice environmental sustainability**



## Why choose our Lighting Solutions

Our lighting towers are designed and built to the highest industry standards and meet all Australian specifications ensuring maximum equipment uptime and mitigating risks to your business.



### Highly Efficient

Bright and powerful light towers with high energy efficiency, low emissions and low maintenance.



### Easy to Transport

Safe and easy-to-transport with forklift pockets (SL21 - HL270) or towable trailer with all terrain tyres (SL86).



### Easy to Operate

Smart features for remote monitoring and operation (Programmable light timer and 4G connectivity).



### Environmentally Friendly

Hybrid and solar-powered solutions, providing maximum power with minimal footprint.



### Robust and Reliable

Designed and built to Australian Standards. Proven in the field, withstanding the harsh weather conditions of remote areas.



### Safe Solution

Enhanced workplace safety and suitable for noise-sensitive environments (no "working at heights" requirement, reduced fire risk, silent operation).



# Light towers

Experience improved light output with a significant reduction in fuel usage and emissions.

Ideal for mine sites, tunnels, road works, outdoor events and during maintenance shutdowns; they feature a robust chassis, designed to mine specifications and all weather conditions.



✓ Reliable

✓ Robust

✓ Low maintenance

## Discover our range:

Model	Power source	Light coverage	Run time	Applications
SL21	Solar - Battery	5,054m <sup>2</sup>	26 hours	Area, access
SL86	Solar - Battery	13,788m <sup>2</sup>	29 hours	Area, access, general work
HL270	Hybrid - Battery/diesel	50,000m <sup>2</sup>	280 hours	Access, general work



## Solar Lighting Tower 21,000 (SL21)

The Fuelfix 21,000 Lumens Solar Lighting Tower (SL21) is a cost-effective outdoor lighting solution ideal for intersections, road works, site security lighting and outdoor events..

The SL21 provides lighting for an area of 5,054m<sup>2</sup> with access area lighting for 522m<sup>2</sup>.

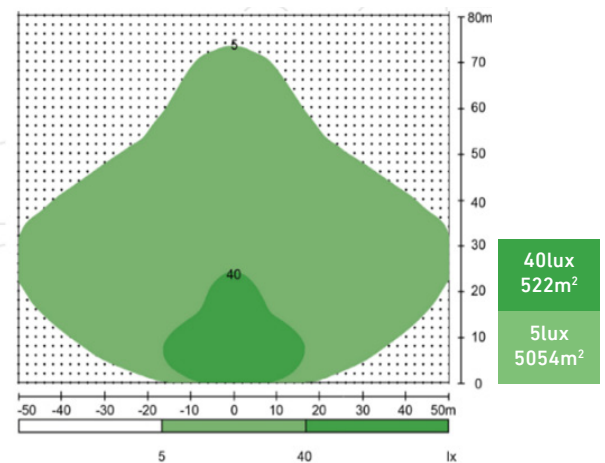


✓ Zero emissions

✓ Zero noise

✓ Zero on-going maintenance and operational costs

Power source	Solar - Battery
Run time	26 hours
Smart Features	Programmable light timer & controls
Transport	Forklift pockets
Lighting Application	Area, access
Lighting area @40lux	522m <sup>2</sup>
Lighting area @5lux	5,054m <sup>2</sup>





## Solar Lighting Tower 86,000 (SL86)

The Fuelfix 86,000 Lumens Solar Lighting Tower (SL86) is a cost-effective outdoor lighting solution ideal for mine sites, construction sites, tunnel and road works, and outdoor events.

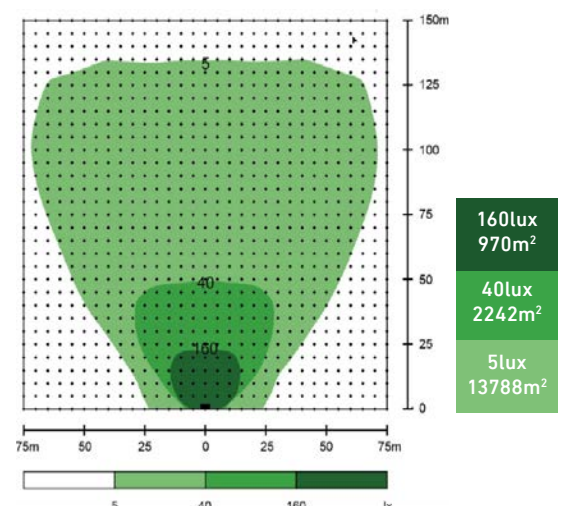
The SL86 provides lighting for an area of 13,788m<sup>2</sup> with access area lighting for 2,242m<sup>2</sup> and general area lighting for 970m<sup>2</sup>.



- ✓ Zero emissions and noise
- ✓ Zero on-going maintenance
- ✓ Zero operational costs



<b>Power source</b>	Solar - Battery
<b>Run time</b>	29 hours
<b>Smart Features</b>	Programmable light timer & controls. Optional 4G connectivity which allows remote operation and monitoring
<b>Transport</b>	Towable trailer with all-terrain tyres
<b>Lighting Application</b>	Area, access, general work
<b>Lighting area @160lux</b>	970m <sup>2</sup>
<b>Lighting area @40lux</b>	2,242m <sup>2</sup>
<b>Lighting area @5lux</b>	13,788m <sup>2</sup>



## Hybrid Lighting Tower 270,000 (HL270)

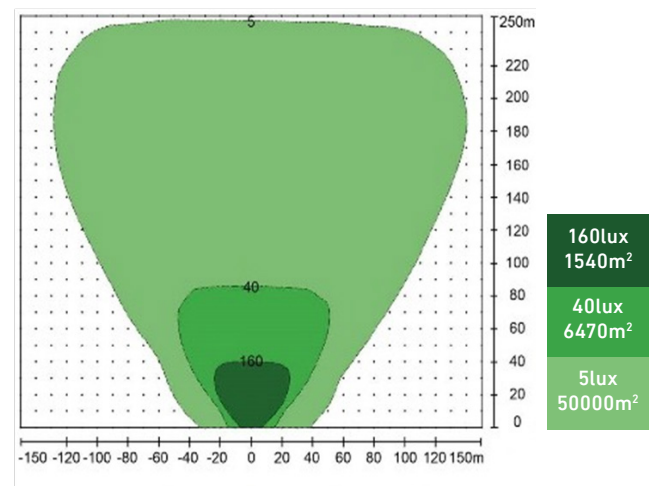
The Fuelfix 270,000 Lumens Hybrid Lighting Tower (HL270) is a cost-effective industrial outdoor lighting solution ideal for mine sites, large construction sites, and civil works.

The HL270 provides lighting for an area of 50,000m<sup>2</sup> with access area lighting for 6,470m<sup>2</sup> and general area lighting for 1,540m<sup>2</sup>.

- ✓ Low emissions
- ✓ Cost savings - Save up to 50% fuel usage
- ✓ Low maintenance - Extend maintenance intervals x2



Power source	Hybrid - Battery/diesel
Run time	280 hours
Smart Features	Victron inverter to switch between diesel & battery power. 4G connectivity to allow remote monitoring
Transport	Forklift pockets
Lighting Application	Area, general work
Lighting area @160lux	1,540m <sup>2</sup>
Lighting area @40lux	6,470m <sup>2</sup>
Lighting area @5lux	50,000m <sup>2</sup>





# Energise a greener future

## Fuelfix Battery Energy Storage System (BESS)

Fuelfix's range of BESS are reliable, efficient and sustainable energy solutions to support your energy transition.

- ✓ Increase operational efficiencies and reduce emissions
- ✓ Enhance integration of renewable energy sources
- ✓ Store and distribute energy from multiple sources



## Why choose our Energy Storage Solutions

Our battery energy storage systems are designed and built to the highest industry standards and meet all Australian specifications ensuring maximum equipment uptime and mitigating risks to your business.



### Highly Efficient

LiFePO4 battery technology and inbuilt safety measures offering reliable, cost-effective energy storage and distribution solutions. Significantly increase the efficiency of existing power generation.



### Cost-Effective

Reduce peak electricity demand and lower cost of electricity. Provide backup power and grid stability.



### Robust and Reliable

Designed to meet specifications and rated IP54 for harsh Australian conditions. Supported by Fuelfix's national network of service centres.



### Versatile

Modular, scalable and portable to meet different needs and applications. Can be used stand alone or connected to solar or grid and meet power requirements above 50kW.



### Smart Solution

Live monitoring with built-in 4G modem and remote control via online portal.



### Environmentally Friendly

Reduce fuel consumption and emissions. Enhance integration of renewable energy sources by storing excess energy when generation is high and releasing when generation is low.

# Battery energy storage systems

Experience uninterrupted power with superior flexibility, significant costs and emissions savings.

Power your construction or mining site with minimal carbon footprint, zero noise and no on-site air pollution. These portable energy solutions have been designed to provide reliable, green power supply while being quick to deploy and setup.

Available from small off-grid modular power supply units through to large containerised units for large-scale grid-side energy storage.



✓ **Reliable**

✓ **Zero Emissions**

✓ **Low maintenance**

## Discover our range:

Model	Voltage	Output power <small>continuous load at 25°C</small>	Battery capacity	Solar input
ESU5	240v AC	5kVA	8.3kWh	4kWp
ESU15	415v AC	15kVA	30.72kWh	4kWp
ESU25	415v AC	25kW	38.4kWh	9kWp
ESU50	415v AC	50kW	76.8kWh	50 kWp
ESU100	415v AC	100kW	153.6kWh	100kWp



## Single Phase Mobile AC Battery Storage (ESU5)

Power up remote mine, construction, and industrial sites with our 5kVA/8kWh, mobile battery storage units (ESU5).

These battery storage units can be used in conjunction with solar, grid or generator input and are designed to provide remote AC power for a variety of temporary and long-term applications.

- ✓ Zero emissions and silent operation
- ✓ Easy to transport and relocate
- ✓ Reduced maintenance and operational costs



Power source	Solar - Grid - Generator input
Recharge time	3 hours (10-100%)
Smart features	Online portal and 4G connectivity which allows remote operation and monitoring.
Transport	Fork Pockets & Tie/Lifting points
Voltage	240v AC
Output power	5kVA continuous load at 25°C
Battery capacity	8.3kWh
Solar input	4kWp





### 3-Phase Mobile AC Battery Storage (ESU15)



Power up remote mine, construction, and industrial sites with our 15kVA/24kWh, 3-phase mobile battery storage units (ESU15). These battery storage units can be used in conjunction with solar, grid or generator input and are designed to provide remote AC power for a variety of temporary and long-term applications.

- ✓ Zero emissions and silent operation
- ✓ Easy to transport and relocate
- ✓ Reduced maintenance and operational costs



Power source	Solar - Grid - Generator input
Recharge time	3 hours (10-100%)
Smart features	Online portal and 4G connectivity which allows remote operation and monitoring.
Transport	Fork Pockets & Tie/Lifting points
Voltage	415v AC
Output power	15kVA continuous load at 25°C
Battery capacity	30.72kWh
Solar input	4kWp



## 3-Phase Mobile AC Battery Storage (ESU25)

Power up remote mine, construction, and industrial sites with our 25kVA/40kWh, 3-phase mobile battery storage units (ESU25). These battery storage units can be used in conjunction with solar, grid or generator input and are designed to provide remote AC power for a variety of temporary and long-term applications. Specifically designed to withstand harsh Australian conditions with their own internal HVAC system and internal fire suppression system delivering industry leading safety measures.

- ✓ Zero emissions and silent operation
- ✓ Easy to transport, commission onsite and relocate
- ✓ Reduced maintenance and operational costs



Power source	Solar - Grid - Generator input
Recharge time	2 hours
Smart features	Simple set up and operation suitable for non-technical users with optional remote monitoring. Live updates on battery state of charge and health on local EMS
Transport	Fork Pockets
Voltage	400v AC
Output power	25kVA continuous load at 25°C
Battery capacity	40kWh
Solar input	10kWp





## 3-Phase Mobile AC Battery Storage (ESU50)

Power up remote mine, construction, and industrial sites with our 50kw/75kWh, 3-phase mobile battery storage units (ESU50). These battery storage units can be used in conjunction with solar, grid or generator input and are designed to provide remote AC power for a variety of temporary and long-term applications.

- ✓ Zero emissions and silent operation
- ✓ Modular, scalable and portable
- ✓ Reduced maintenance and operational costs



Power source	Solar - Grid - Generator input
Recharge time	3 hours (10-100%)
Smart features	Online portal and 4G connectivity which allows remote operation and monitoring.
Transport	Fork Pockets & Tie/Lifting points
Voltage	415v AC
Output power	50KW continuous load at 25°C
Battery capacity	76.8kWh
Solar input	50kWp





# Power a greener future

## Fuelfix Hybrid Power Systems

Fuelfix's range of power generation systems are reliable, efficient and sustainable energy solutions to support your energy transition.

- ✓ Increase energy efficiencies and reduce emissions
- ✓ Reduce operational costs and maintenance intervals
- ✓ Uninterrupted clean power at all times



## Why choose our Hybrid Power Solutions

Our hybrid power systems are designed and built to the highest industry standards and meet all Australian specifications ensuring maximum equipment uptime and mitigating risks to your business.



### Highly Efficient

LiFePO4 battery technology offering reliable power storage and distribution. Smart energy management system engaging the small generator only when the battery is low. Excess energy from the generator is used to charge the battery for future use, reducing energy losses.



### Cost-Effective

When engaged the generator runs at its most efficient load (75%), delivering fuel savings and extending genset life (approx. 3 times) through elimination of glazing. Save up to 50% fuel usage and increase maintenance and refuelling intervals by 3-4 times.



### Versatile

Modular, scalable and portable to meet different needs and applications. Can be used stand alone or connected to solar or grid.



### Smart Solution

Live monitoring with built-in 4G modem and remote control via handy App.



### Environmentally Friendly

Reduce fuel consumption, carbon emissions and noise pollution.



### Robust and Reliable

Designed to meet specifications and rated IP54 for harsh Australian conditions. Supported by Fuelfix's national network of service centres.

# Hybrid power systems

Experience the power and reliability of traditional generators with the energy efficiency of batteries.

Power your construction or mining site with minimal carbon footprint, reduced noise and operational costs .

Our hybrid power systems provide a “plug and play” sustainable power solution when you need it and keep your operations running smoothly.



✔ Reliable

✔ 50% less fuel usage

✔ Reduced maintenance

## Discover our range:

Model	Voltage	Output power	Battery capacity	Fuel tank capacity
HESU15	230v AC	15kVA continuous load at 25°C	20.48kWh	60L
HESU20	400v AC	20kVA continuous load at 25°C	30kWh	100L
HESU30	400v AC	30kVA continuous load at 25°C	40kWh	100L





## Single Phase Hybrid AC Power System (HESU15)



Fuelfix Hybrid AC Power System (HESU15) is a cost-effective single phase 15kVA outdoor power generation solution, ideal for mine sites, constructions sites, civil works, remote offices, and outdoor events.

These battery storage units can be used in conjunction with solar, to provide portable AC power and reduce emissions by up to 90%.



- ✓ **Modular, scalable and portable**
- ✓ **Cost savings - Save up to 50% fuel usage**
- ✓ **Reduced maintenance intervals and noise**

Power source	Solar - Grid
Recharge time	3 hours (10-100%)
Smart features	Live monitoring with built-in 4G modem and remote control via handy App.
Transport	Fork Pockets & Tie/Lifting points
Voltage	230v AC
Output power	15kVA continuous load at 25°C
Battery capacity	20.48kWh
Battery type	Lithium Iron Phosphate (LiFePO4)
Fuel tank capacity	60L





### 3-Phase Hybrid AC Power System (HESU20)

Fuelfix Hybrid AC Power System (HESU20) is a cost-effective 3-phase 20kVA outdoor power generation solution, ideal for mine sites, constructions sites, civil works, remote offices, and outdoor events. These battery storage units can be used in conjunction with solar, to provide portable AC power and reduce emissions by up to 90%.



- ✓ **Modular, scalable and portable**
- ✓ **Cost savings - Save up to 50% fuel usage**
- ✓ **Reduced maintenance intervals and noise**

Power source	Solar - Grid
Recharge time	3 hours (10-100%)
Smart features	Remote cloud monitoring system. Auto maintenance reminder and operation data analysis, optimised and intuitive.
Transport	Fork Pockets & Tie / Lifting points
Voltage	400v AC
Output power	20kVA continuous load at 25°C
Battery capacity	30kWh
Battery type	Lithium Iron Phosphate (LiFePO4)
Fuel tank capacity	100L





## 3-Phase Hybrid AC Power System (HESU30)

Fuelfix Hybrid AC Power System (HESU30) is a cost-effective 3-phase 30kVA outdoor power generation solution, ideal for mine sites, constructions sites, civil works, remote offices, and outdoor events. These battery storage units can be used in conjunction with solar, to provide portable AC power and reduce emissions by up to 90%.

- ✓ **Modular, scalable and portable**
- ✓ **Cost savings - Save up to 50% fuel usage**
- ✓ **Reduced maintenance intervals and noise**



Power source	Solar - Grid
Recharge time	3 hours (10-100%)
Smart features	Remote cloud monitoring system. Auto maintenance reminder and operation data analysis, optimised and intuitive.
Transport	Fork Pockets & Tie / Lifting points
Voltage	400v AC
Output power	30kVA continuous load at 25°C
Battery capacity	40kWh
Battery type	Lithium Iron Phosphate (LiFePO4)
Fuel tank capacity	100L





# Solar power systems

Discover our range of compact and versatile solar skids.

Power your construction or mining site with minimal carbon footprint, reduced noise and operational costs.

Our solar skids are expertly engineered to offer a portable, easy-to-deploy power solution for a wide array of applications. Deployed in minutes to suit temporary use such as after bushfires or floods or on construction projects to minimise install/removal time and site impact.



✓ Robust

✓ net-ZERO Solution

✓ Rapid Deployment

## Discover our range:

Model	Voltage	Power	Current (Isc)	Options
SKD 1.8kW	196.8v VOC	1.78kWp	11.45A	Can be adjusted from zero to 40 degrees Can be ground mounted or attached to the roof of Fuelfix's range of containerised fuel tanks and other containers (portable office etc..)
SKD 3kW	230v VOC	3kWp	13.04A	
SKD 5kW	230v VOC	5kWp	21.73A	





# Solar power system



## Solar Skid (SKD) 1.8kW

The Fuelfix rapid deployment Solar Skid is a modular unit that can be scaled to suit multiple applications.

Robust in construction, these easily transportable skids can directly power remote equipment or can work in conjunction with battery storage solutions.



## Why choose our Solar Power Solutions



### Highly Efficient

The SKD can be adjusted from zero to 40 degrees to maximise solar yield



### Zero Emissions

The system produces zero noise and air pollution



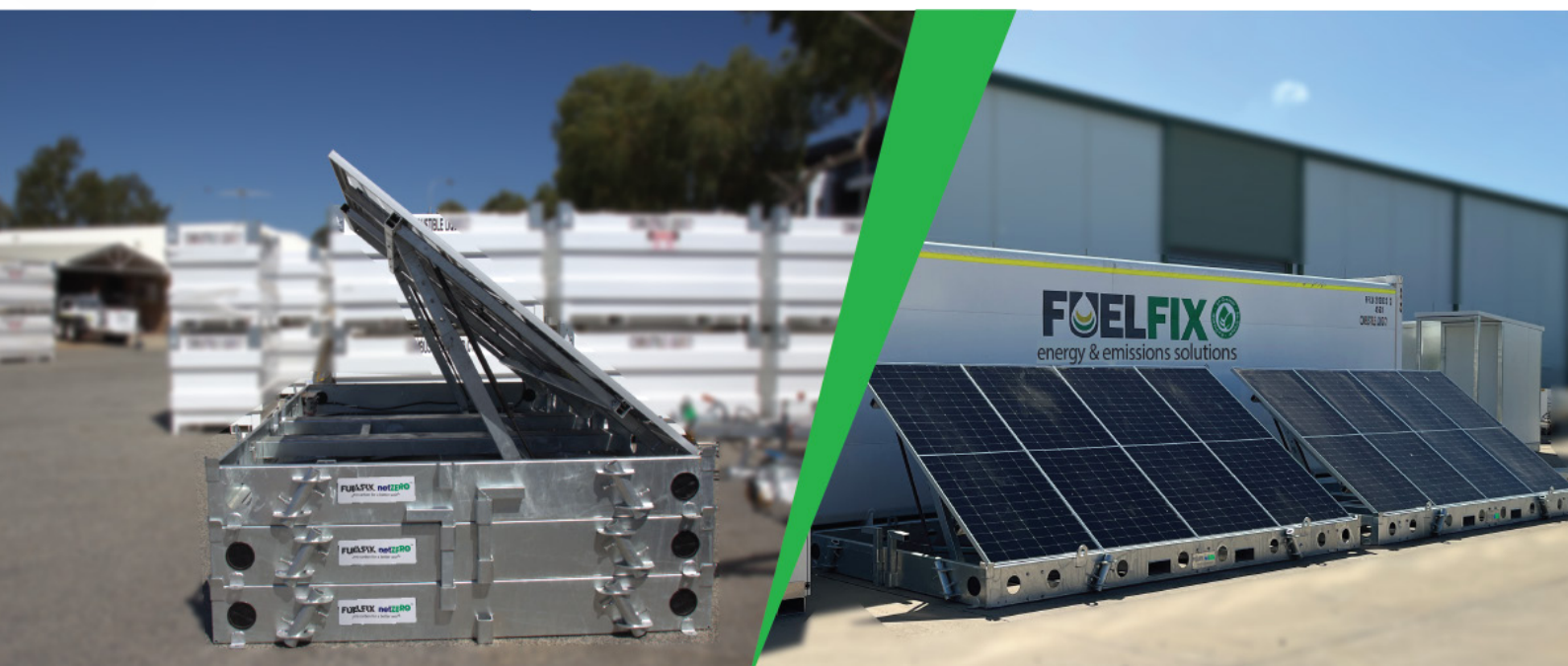
### Ease of Transport

The compact design and interlocking stacking enables quick and easy remote setup and delivery



### Durable

Constructed on a hot dip galvanised frame



# Solar power systems



## Solar Skid (SKD) 3kW and 5kW

Fueifix rapid deployment Solar Skids are modular units that can be scaled to suit multiple applications.

Robust in construction, these easily transportable skids offer the flexibility of either being ground mounted or attached to the roof of Fueifix's range of containerised fuel tanks and shipping containers via ISO locks.



## Why choose our Solar Power Solutions



### Highly Efficient

Dynamic PV production – reduces its output when connected BESS reaches 100% SOC



### Ease of Transport

Forklift ports designed to allow safe and easy handling of the unit. Compact design, interlocking stacking enables quick and remote access



### Zero Emissions

Fully solar powered, the system produces zero noise pollution or CO2 emissions. Zero harmful exhaust fumes for health of workers



### Durable

The system is constructed with galvanised frame to ensure a long service life and structural rigidity





# Security tower



## Solar CCTV (STV)

The Fuelfix Solar CCTV Tower (STV) is a zero emission and cost-effective surveillance tower, ideal for security at construction sites, mine sites, civil works, and outdoor events.



## Why choose our Solar Security Solutions



### Highly Efficient

The solar charged battery powered solution runs 104 hours at full charge and has zero maintenance and low operational costs.



### Zero Emissions

Zero noise and air pollution.



### Smart Features

The mobile app allows for remote monitoring, microphone transmission and 4 weeks continuous video recording and storage.



### Ease of Transport

The forklift pockets allow safe and easy handling of the tower.



### Durable

Suitable for mine applications and can withstand Australian weather conditions.



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energy & emissions solutions  
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