FUELFIX

Go-Greener®

Fuelfix low emission and zero emission range



Trusted To Deliver *Energy Efficiency*

Go-greener with our new products

Fuelfix & Tanks2Go is developing innovative solutions to help our customers store, manage and use energy more efficiently.

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.

FUELFIX Go-Greener®

FUELFIX netZERO® zero carbon for a better world

Go-Greener low emission range

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%.



Energise a greener future

Fuelfix Battery Energy Storage Sytem (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 mine 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 (BESS)

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 continuous load at 25°C	Battery capacity
ESU5	240v AC	5kVA	8.3kWh
ESU15	415v AC	15kVA	30.72kWh
ESU25	400v AC	25kW	38.4kWh
ESU50	400v AC	50kW	76.8kWh
ESU100	400v AC	100kW	153.6kWh
ESU150	400v AC	150kW	230.4kWh



Single Phase Mobile AC Battery Storage (ESU5)

Power up remote mine, construction, and industrial sites with our 5kW/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





3-Phase Mobile AC Battery Storage (ESU15)

Power up remote mine, construction, and industrial sites with our 15kW/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





3-Phase Mobile AC Battery Storage (ESU25)

Power up remote mine, construction, and industrial sites with our 25kW/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	25kW continuous load at 25°C
Battery capacity	40kWh





3-Phase Mobile AC Battery Storage (ESU50/100/150)

Power up remote mine, construction, and industrial sites with our range of battery storage units and reduce fuel consumption and emissions by up to 85%.
These battery storage units seamlessly integrate with diesel generators and solar for maximum efficiency.



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

Model	ESU50	ESU100	ESU150
Power source	Solar - Grid - Generator input		
Smart features	Online portal and 4G connectivity which allows remote operation and monitoring.		
Transport	Fork Pockets & Tie/Lifting points		
Voltage	400v AC		
Output power	50kW continuous load at 25°C	100kW continuous load at 25°C	150kW continuous load at 25°C
Battery capacity	76.8kWh	153.6kWh	230.4kWh



Containerised BESS (ESU375/625/1250)

Fuelfix's Containerised BESS are purpose-designed for on-grid, off-grid and hybrid power applications, delivering reliable, low-noise energy while significantly reducing diesel generator runtime, fuel consumption, and operating costs.



- **Improved power stability and efficiency for reliable power on site**
- **IP54-rated containerised design for harsh and remote environments**
- **Can be delivered in a standard configuration or tailored to match specific requirements**

Model	ESU375	ESU625	ESU1250
Power source	Solar - Grid - Generator input		
Smart features	Remote monitoring, fault diagnostics and performance analytics		
Transport	Tie/Lifting points		
Voltage	400v AC		
Output power	375kW	625kW	1250kW
Battery capacity	720kWh	1200kWh	2400kWh



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 mine 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
SKD 3kW	230v VOC	3kWp	13.04A	Can be ground mounted or attached to the roof of Fuelfix's range of containerised fuel tanks and other containers (portable office etc..)
SKD 5kW	230v VOC	5kWp	21.73A	
SKD 50kW - A re-deployable 50KWP Solar Array - Detailed specifications available upon request.				



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.



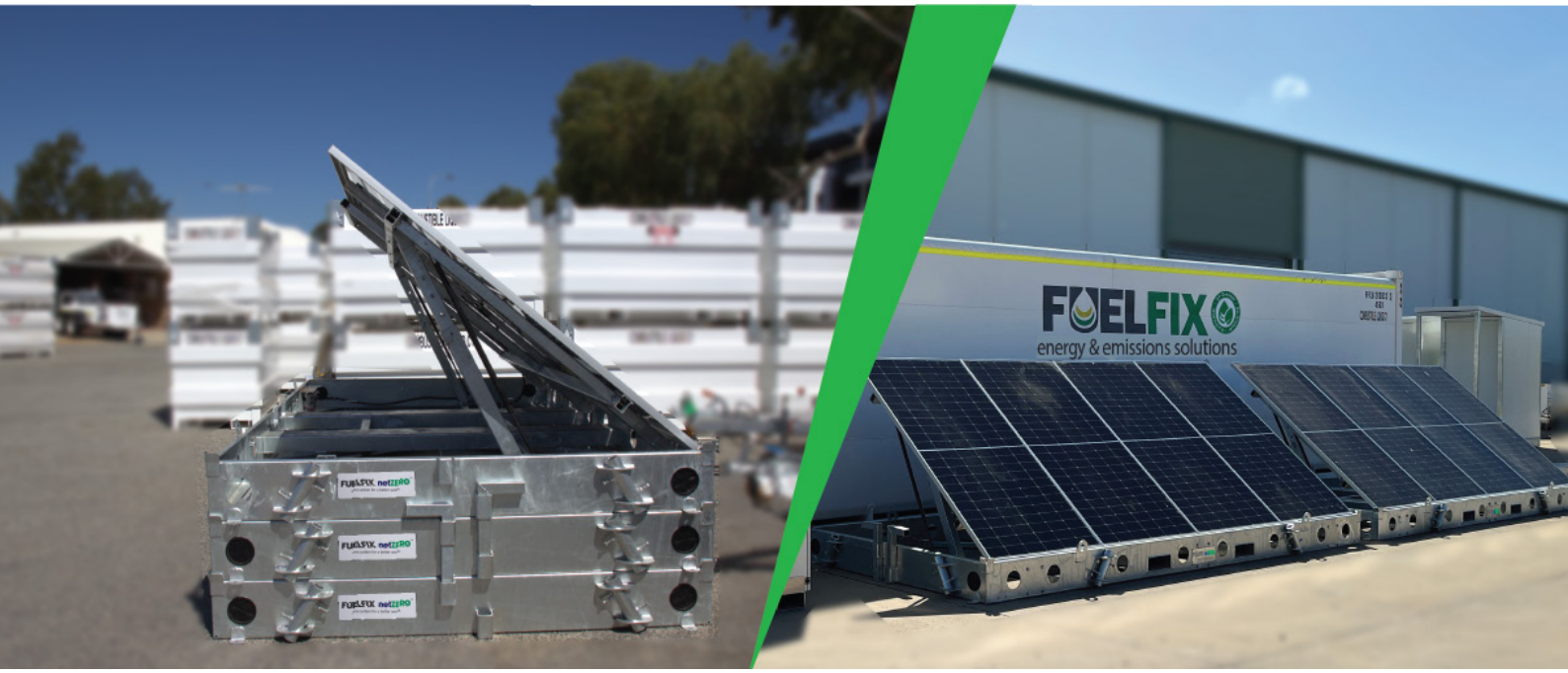
Why choose our Solar Power Solutions

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



Fuelfix 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 Fuelfix'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

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

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

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



Solar power systems

Re-Deployable Solar Array 50kW

Fuelfix's re-deployable solar array is factory-assembled and pre-wired for rapid on-site setup. Designed to integrate seamlessly with energy storage solutions, it pairs perfectly with the Fuelfix ESU range (medium and large batteries) to deliver a fully integrated renewable energy source.



Robust, resilient, and relocatable, it can be used in a wide range of commercial, industrial and large-scale solar applications.

Why choose our Solar Power Solutions

Highly Efficient
Peak power output of 50kW. Significantly more energy dense than single axis tracker configurations

Ease of Transport and Deployment
Quick to setup – perfect for temporary use such as short-term projects and natural disaster response

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

Durable
Australian designed for Australian conditions and operating environments. Safe, ground mounted design and rated for Wind Region A



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^2	26 hours	Area, access
SL86	Solar - Battery	13,788m^2	29 hours	Area, access, general work
HL270	Hybrid - Battery/diesel	50,000m^2	280 hours	Access, general work



Solar Lighting Tower 21,000 (SL21)

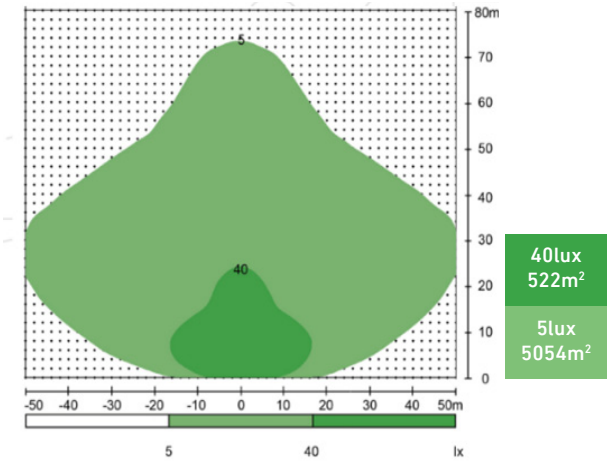
The Fuelfix 21,000 Lumens Solar Lighting Tower (SL21) is a cost-effective outdoor lighting solution ideal for intersections, road works, site security lighting and outdoor events..

The SL21 provides lighting for an area of 5,054m^2 with access area lighting for 522m^2.



- **Zero emissions**
- **Zero noise**
- **Zero ongoing 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^2
Lighting area @5lux	5,054m^2





Solar Lighting Tower 86,000 (SL86)

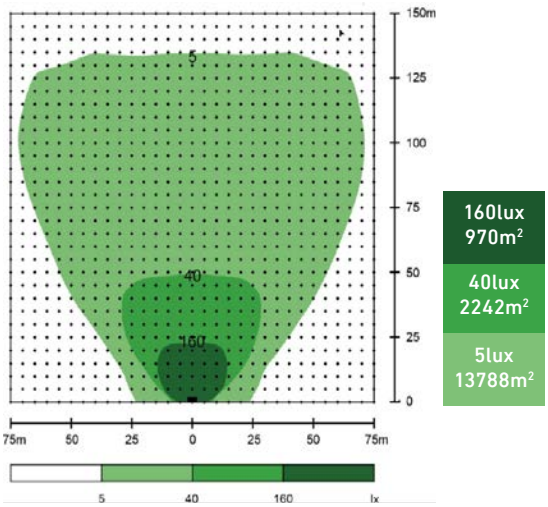
The Fuelfix 86,000 Lumens Solar Lighting Tower (SL86) is a cost-effective outdoor lighting solution ideal for mine sites, construction sites, tunnel and road works, and outdoor events.

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



- Zero emissions and noise
- Zero ongoing maintenance
- Zero operational costs

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





Hybrid Lighting Tower 270,000 (HL270)

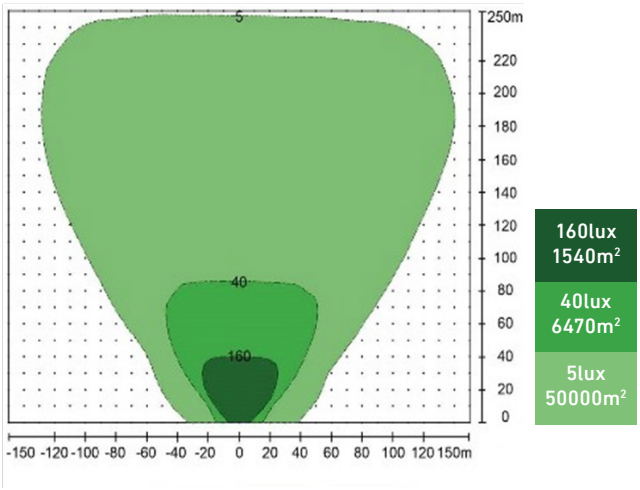
The Fuelfix 270,000 Lumens Hybrid Lighting Tower (HL270) is a cost-effective industrial outdoor lighting solution ideal for mine sites, large construction sites, and civil works.

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



- **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^2
Lighting area @40lux	6,470m^2
Lighting area @5lux	50,000m^2





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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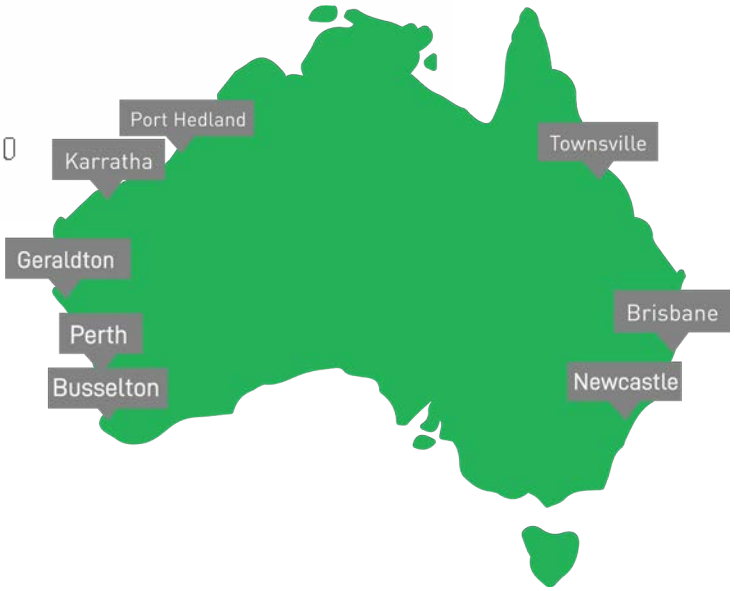
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