

## 1300 88 HIRE Smart

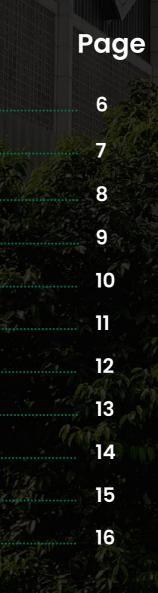
# THE HIRE INNOVATION SPECIALISTS

workzonehire.com

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### Who are we?

Smart Workzone Hire is a market leader when it comes to smart workzone systems. We stand out for our knowledge in the roadside traffic equipment, ITS systems and the integration required to provide a smooth- running Smart Workzone.

As a business, we pride ourselves on customer service and high-quality equipment. We are a process-based business and our number one priority is the customer experience 24/7. Our team will always be available for you when you need us. Our business has been built as a hybrid between a rental company and ITS business and collectively has over 100 years' worth of experience spread across our team.

Smart Workzone Hire partners with Traffic Control businesses, Civil Contractors, Traffic Management Centres and the Road Authorities to integrate "Smart" workzones all across Australia.



### Why SMART Workzone Hire?

- If you want to reduce crash frequencies.
- If you want to save time and money from lost time due to hold-ups onsite.
- If you want to make worksites safer for your road workers and motorists.
- If you want to reduce driver frustration and better inform motorists.
- If you want to reduce congestion on your worksite and allow for more free-flowing traffic.
- If you want to reduce congestion by encouraging motorists to take alternate routes.

## **Our Mission**

Improve the safety of workers and motorists, whilst also improving the efficiency of incident management and reducing congestion delays at your worksite.

Provide your business with reliable and accurate information which can be used by motorists for making decisions.

Tailor our services to suit motorist and site worker needs using the latest technology.

### **Zoneguard Metal Crash Barrier**

No modifications required for a minimum or standard deflection system Easy accessible lifting bars to ensure quick rigging

Industry leading crash test performance

Patented speed joint for rapid deployments

Anchor locations every metre for ease of drilling

Smart

Design of foot engages the weight of the vehicle during impact

120 Metres per semi loaded 2 high and 180 metres per semi loaded 3 high

### **Zone Bloc Concrete Crash Barrier**

#### 300mm Footprint

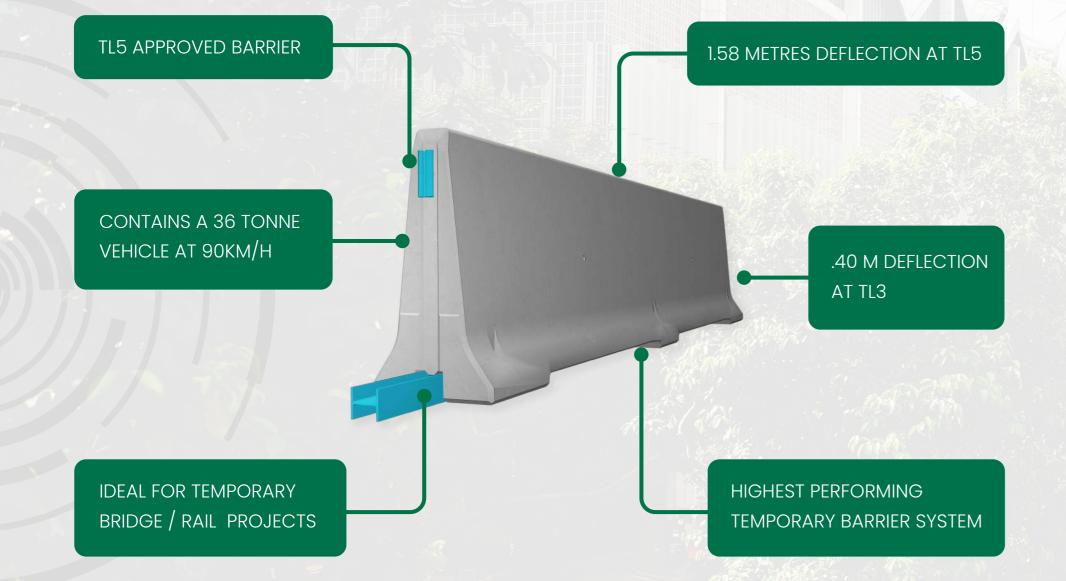
Free standing system has the same or better deflection as other concrete barrier

Anchored system enables .3 deflection

Transport upto 84 metres in one truck load

.6 metre working width Comes in 4 metre and 12 metre sections

### **TL5 CONCRETE CRASH BARRIER**



### **TLOK Concrete Crash Barrier**

Tested & accepted at speeds Freestanding system up to 100 km/h MASH compliant <u>Smart</u> 1300 88 HIRE foundation Patented speed joint for rapid deployment

#### Low deflection

Can be used on almost any

### Gating End Treatment

MASH approved up to speeds of 80 km/h

Universal transition that fits all products

Anchorless, water-filled technology

Easy deployment and removal

Shortest MASH TL-3 tested non-redirective, anchorless crash cushion

Smort

Can be deployed on almost any road surface

Has tested and passed MASH TL-3 test

### Non Gating End Treatment

#### Smaratest Cushion in the Australian market

Minimal damage cost after impact

30 minute reset to reduce labour and traffic control costs



Can be installed in under 90 minutes

Hydraulic porting of the attenuator ensures proper resistance Ramps resistant up or down to provide the smoothest ride down in the market

Front impact generally results in the replancement of only two shear bolts

### Low Speed Water-Filled Crash Barriers

Can be used in work zones in all states at 50 km/h or under

Meets MASH TL2 criteria for temporary longitudinal barriers

Recyclable

product

Can be used in most states at 70 km/h with a site specific risk assessment

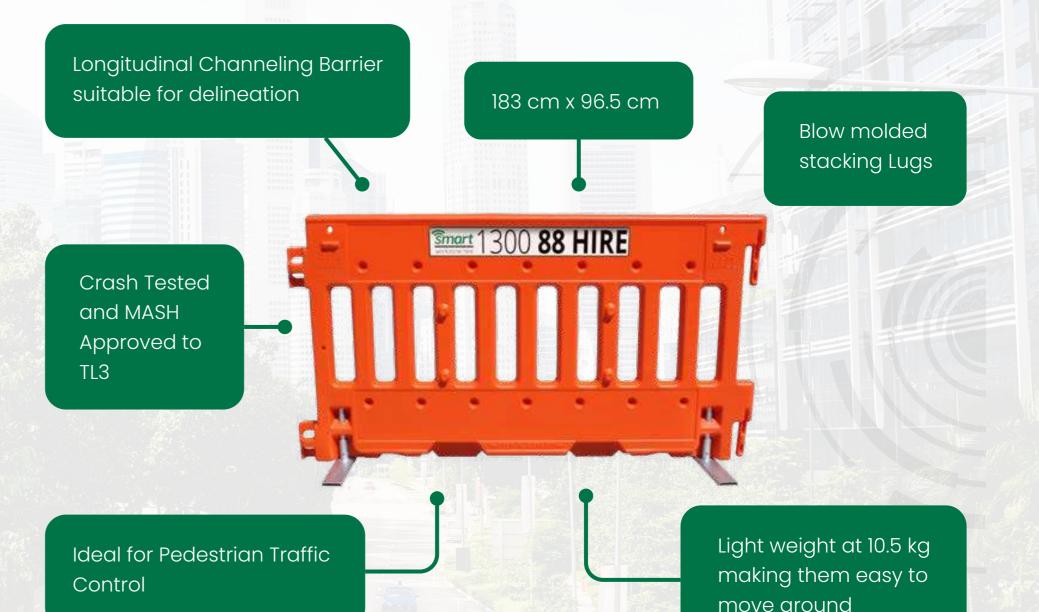
> 120 metres of water required per barrier

120 metres can be shipped per semi

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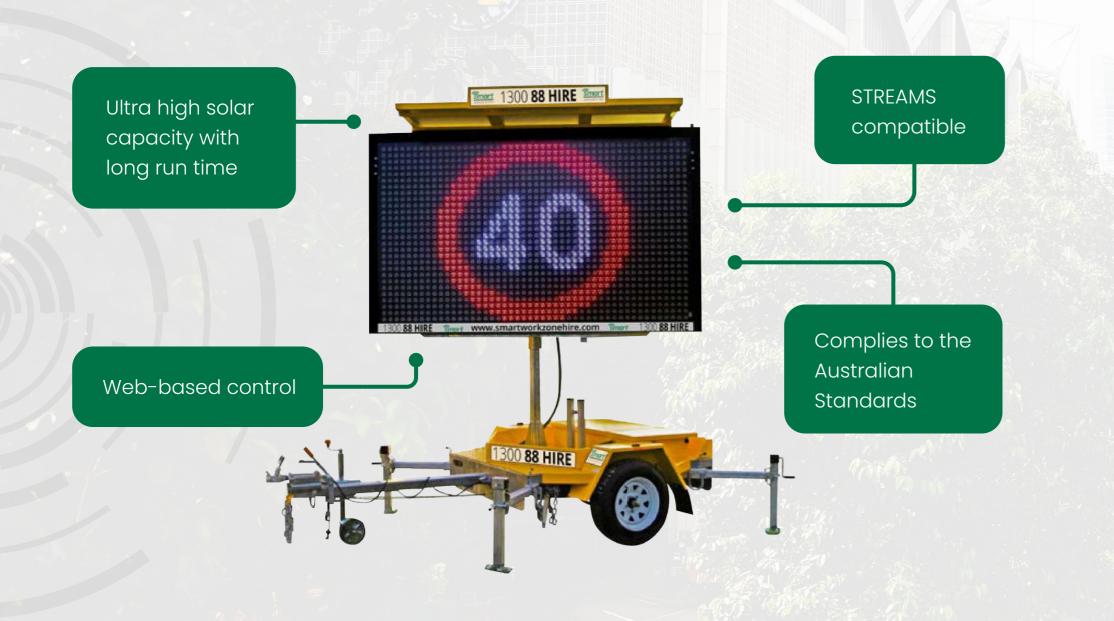
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### **Urban Wall Longitudinal Channeling Barrier**



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### **VMS BOARD**



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### Variable Speed Limit Signs

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Reduce traffic control set up times and increase on road productivity time

Speed changed manually through software or automatically through scheduling Alert drivers of potential hazards to match the prevailing conditions

Quick changeable signs that can change the speed of your work zone at the click of a button

> Speed changes are fully recordable through logging technology

VSLS signs are enforceable no different to normal enforcement signs

### Speed Advisory Signs

Speed changes are fully recordable through logging technology Alerts drivers of their current speed and the advisory speed

Allows drivers sufficient time to slow down before passing workers or entering for a potentially hazardous roadway condition

YOUR

SPEED

Alerts drivers that have inadvertently entered a portion of the work zone at a speed above the advisory speed limit

### **Diesel Eco Lighting Tower**

#### Certified wind stability of 110 km/h

0.7 litres fuel per hour

Fuel efficient 2 cylinder, 1500 rpm, water-cooled diesel engine

163 hours of run time 168,000 lumens of light output (1520 W)

> 5 star work safe vertical mast

62dBA at 7 meters sound level

### 120 W Solar Compound / End Treatment Light



### Site Security CCTV Camera



## SMART Gate / Traffic Light Systems

Long-range "SMART" Fully solar powered. No receiver options Shuttle, gate and need to recharge at manual operations the end of each shift Vehicle actuation Ramp metering options. Control traffic flow through highway work sites Fixed time and variable phasing Reduce the need for traffic controllers to be on roads near live traffic Up to six way grouping ST0P Local DVR options to capture incidents

### Portable Traffic Signals System (PTSS Type I)

#### Fast, easy install

Over 20 hours run time

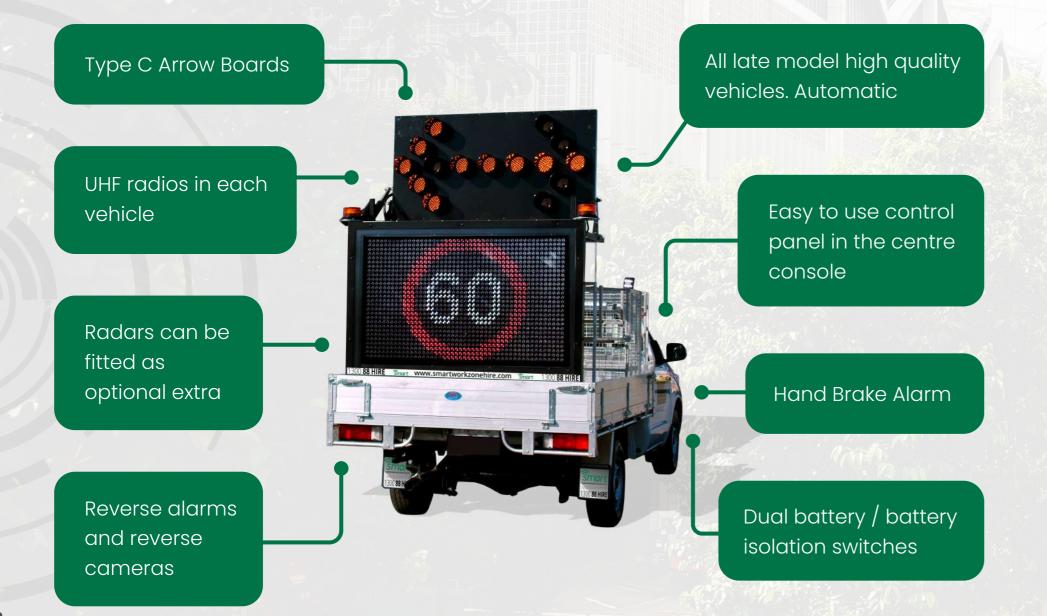
Safe/reliable operation with safe guards against tilt and rotation

APPROVED IN QLD, NSW, WA & SA Shuttle Mode (1 remote - 2 signals One red, one green

Plant Crossing Mode (1 remote - 2 signals) Both red or both green

Gate Mode (1 remote - 1 signal) Either red or green

### **Traffic Utes and VMS Utes**



### V3 and V5 Solar Replacement Street Light

#### Anti-theft design points

Load rated lifting points

Remote operations and monitoring

Adjustable solar panel to optimise solar input

External generator charge point

External isolator for manual control

Extended battery bank option

Load rated craneage lifting

#### Radar activation options

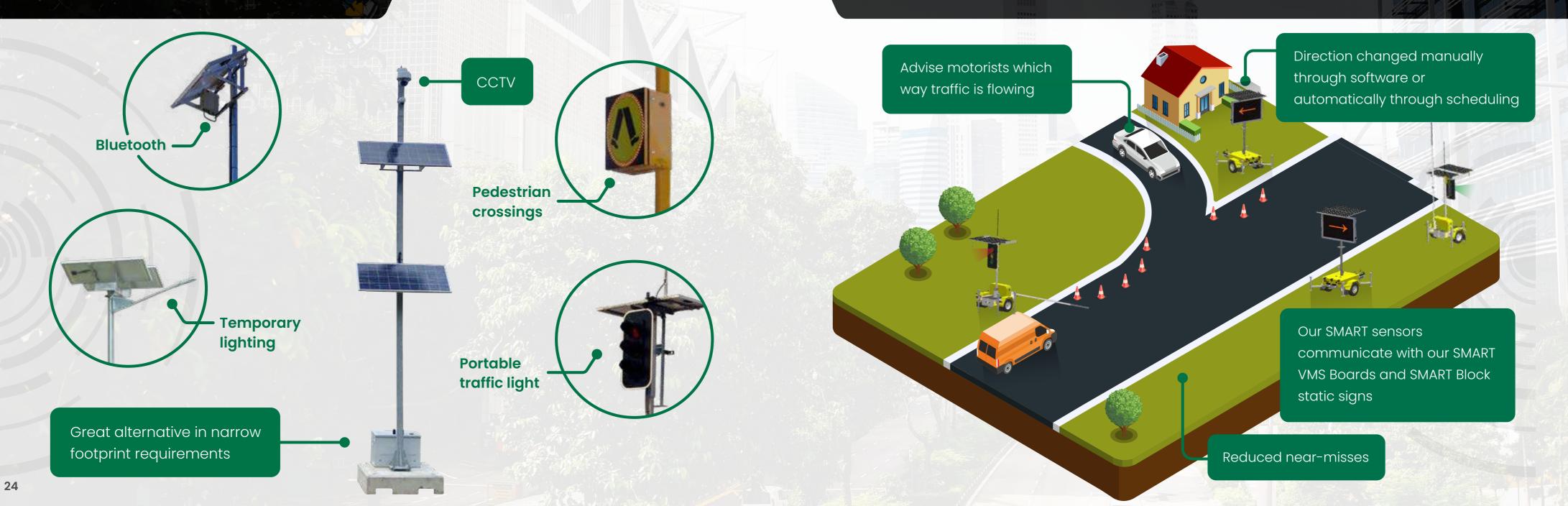
Suitable for wind regions A, B and C

11.5 metre luminair height

Auto day / night operations

Forklift pockets

### **SMART Blocks**



### Driveway/Side Road Management Systems

### **Queue Detection VMS & Blocks**

SMART sensors communicate directly with SMART VMS and Blocks Allows for a smooth transition between faster and slower moving traffic

Reduced end of queue collisions

Advanced warning system informs drivers of stopped traffic ahead

> Long-range systems can allow traffic todivert to alternateroutes and prepare to stop safely

Warnings automatically clear when traffic resumes

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## Truck Entering / Merging Systems

SLOW

System will alert drivers that a slowly accelerating truck is entering into faster moving traffic lane

Our SMART sensors communicate with our SMART VMS Boards and SMART Block static signs

Reduced near-misses

The alert automatically clears after pre-set number of seconds

SMART signs will notify motorist to merge and allow construction traffic to safely enter the road

System provides time for drivers to react appropriately, such as slowing down or changing lanes

### **Travel Time Alert System**

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DES RD

SMART sensors communicate with SMART VMS boards and blocks with real time travel to motorists System informs drivers of the estimated travel time between their current location and specific beyond location

System arms drivers with information which allows them to decide whether to change routes and advise others of their estimated arrival time Informed drivers are safer drivers

Reduced driver frustration

### **Overheight Warning VMS & Blocks**

Second device option as preventative measure if the driver fails to use the advised designated escape route

Alerts drivers that their vehicle is over height and escape route is required

> Allow drivers sufficient time to conduct an escape manoeuver once alerted to their route mistake

### **Travel Times Management System**

Our SMART HOST system allow as real-time visualisation of traffic patterns by day, week or month to help you optimise your site layout and closure times. Provide live journey time advice to inform road users and reduce the number of complaints

Pre-planning for works looking back at historical data

Add as many users as you would like to have access to each work site

Automated SMS alerts provide early warning if traffic levels reach KPI levels. Can be sent to field staff giving early warning if traffic congestion starts to reach KPI levels. Establish construction baselines

Bluetooth and Crowd Surf options

Continuously monitor multiple detour options & direct road users to the fastest route,reducing pressure on the surrounding network.

### MACHINE LEARNING SOFTWARE

is cutting-edge computer vision software which utilises a Neural Network Al algorithm for the dynamic monitoring, adaption and optimisation for busy road networks.

Uses off-the-shelf cameras to obtain live traffic data. Our algorithms accuracy can correctly identify 99% of vehicles, including buses, small and large trucks, ambulances, bikes, and pedestrians whilst detecting and reporting on a range of parameters identifying individual vehicle and pedestrian behaviours in the road network.



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measures traffic, predicts congestion and mitigates subsequent congestion through smart manipulation of traffic networks, long before jams begin to form.



Uses advanced machine learning techniques to acculumate a significant database of actual traffic data. This extensive database of real on location traffic information allos our Nerual Network Algorthim to accurately predict traffic patterns - hours in advance. We can tell exactly where and when traffic will start to overflow and assist in implenting strategies to avoid congestion OUR RANGE

SMART VMS **SMART Lighting Solutions** SMART Gate - Traffic Light System Ø Traffic Control Utes **Queue Detection** VSLS ANPR Driveway Management Systems Travel Time Reporting

Speed Advisory Signs **Over Height Warning Systems High Speed Crash Barriers** Low Speed Crash Barriers Arrow Boards C. **Compound Security** Pedestrian Barriers

Work Zone Cameras

Truck Egress Systems

workzonehire.com

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