

# THE DETECHTIVE

The *scoop*  
on the **GOOD STUFF** we've  
been **BUILDING**

**ISSUE**  
**# 1**

We are well into 2020 and the team at Excel are working harder than ever to bring new and exciting turn-key solutions to the Australian ITS landscape. Find out more below!

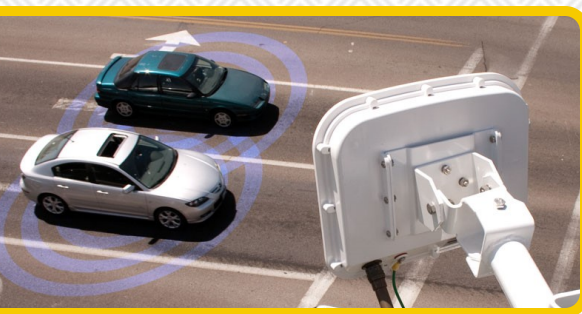


## FINALLY, A PLACE FOR YOUR STUFF

We have worked hard to bring better quality and competitively priced cabinets to the East Coast that meet road authority specifications and standards. Available in several configurations and dimensions from multiple access points to pole-top and pole-mount options to suit every need. These cabinets have been deployed in the field in droves and we are pleased with the feedback, offering complete detection stations (incorporating the XL-1000 system, battery backup where required, group controllers and more). Contact us for a quote on your next cabinet need!

## BIG THINGS, SMALL PACKAGES

The XL-CCC is a standalone loop-based detector module that provides four contact-closure outputs from a single unit and can be paired across two units to provide up to 8 outputs. The device is highly configurable with the on-board graphical interface through which a wide range of settings can be selected, including presence, pulse, and loop pair mode. The unit can be used for any presence-based output requiring an actuation; including signage, ramp metering, hazard awareness signage and presence alarms for emergency bays, just to name a few!



## THE BETTER ANGLE FOR RADAR

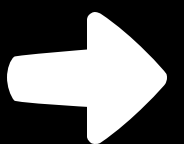
Now formally type-approved by TMR, our exclusive partnership with Wavetronix brings you some exciting products from the SmartSensor family 'down under'! Including the side-fire dual-beam 'HD' product for non-intrusive and off-road alternatives to a pair of loops, integrated with STREAMS and extensively deployed in QLD, this radar can achieve a 76-meter field of view (the equivalent of 22-lanes) and provides detection for both directions of flow from a single site. The SmartSensor family also provides the 'MATRIX' a 16-channel stop-bar/presence detector with a 45-degree field of view and Excel's proprietary emulation card which integrates the radar directly with a traffic controller, emulating the inductive pattern of a loop during vehicle actuation and limiting the need for personality changes to the controller. Interest in this radar is spreading through all Australian States rapidly following type-approval status in QLD! Contact us today for more information about existing sites, applications, and turn-key solutions including pole-mount boxes.

## THE ONLY PLACE FOR PIEZOS

As the exclusive distributor in the region for the Novacos piezoelectric sensors, we offer a tried and tested alternative to the traditional brand of Brass Linguini type piezo sensor with some improvements to the materials used in the head-feeder connection, improving durability. These sensors are available in custom lengths for Class 1 (WIM) and Class 2 (Classification) applications and come with 100-meters of feeder and a BNC for field termination to the desired length. Excel supplies each sensor with the Global Resin PU200 product, an internationally accepted resin/hardener.



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**IMPROVING PARKING AWARENESS**

Excel have been actively engaged in the design, development, installation and maintenance of a complete 'Truck Rest Area Vacancy Information System' (TRAVIS), which we designed and integrated in order to provide information and awareness at six rest areas in regional Victoria, providing the complete supply of equipment, including sensors, detection processing, cabinets, solar and communications infrastructure, Variable Message Signs, CCTV, etc.

**A HIGHER CLASS OF CLASSIFIER**

Our counter-classifier unit has seen some recent upgrades to hardware, including evolved cellular communications to 4G and improved engagement with device status, data, and access. The unit provides for an IP67-rated, 12DVC and cellular data retrieval, with a focus for low-power count and classification from a single hardware platform via 8-loop and 8-piezo inputs.





## QUEENSLAND PAVILION

Excel is once again proud to be a part of the Queensland Pavilion at the upcoming Asia Pacific ITS Forum held in Brisbane, May 25-28. We will exhibit alongside TMR and other QLD industry partners, showcasing local ITS solutions and collaborative industry projects.





We are all part of the same family and also offer information regarding products designed and manufactured in Australia by Aldridge Electrical Industries:

Complete **TMU cabinet** solutions.

**Variable Message Signs** in all sizes and colours – portable and fixed.

**Traffic signals** – portable and fixed, that meet all State Road Authority specifications/standards.

A brand new **Group Controller** for VMS.

Coming up on **THE DETECTIVE** 

# THE XL-1000 SERIES

Watch this space for more information about our new development site for WIM, improving Type 2 accuracy through improved temperature calibration.

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