

P2 / LETTER FROM THE EDITOR

Pakton's 'shocking' developments of the year to date

P3 / BIGGER REALLY IS BETTER

16 Output Joule energizer is added to Pakton's range

P4 / PAKTON IP ENERGIZER®

Taking farm management technology to a whole new level

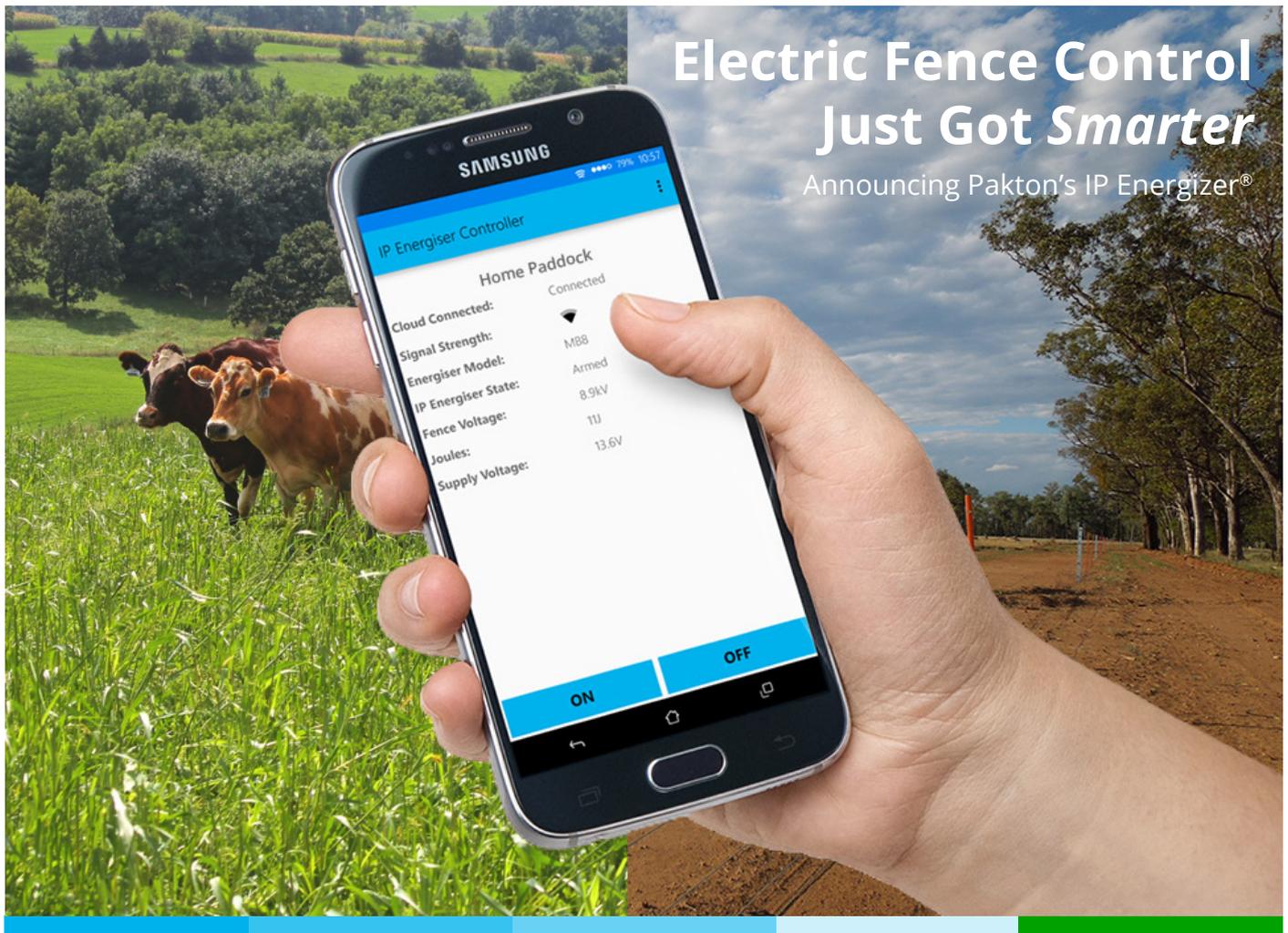
P8/ TACKLING QLD's DINGO DANGER

Pioneering technologies to help tackle dingoes in the state's west

Pakton NEWS

September 2016

Vol. 19 / Issue 1



Electric Fence Control Just Got Smarter

Announcing Pakton's IP Energiser®

Pakton is proud to announce the release of our IP Energiser® and IP Energiser Controller app.

Transforming the world of electric fence management, these amazing developments allow you to control your fence from anywhere in the world, any time.

Read more on Page 4 >>

Experience the IP Revolution

Control a Pakton IP Energiser® from your own smartphone today.



www.ipenergizer.com

Letter from the Editor

“New challenges have inspired us; new products have been added to the list.”

2016 seems to be packed with goodies. We have so many new products and achievements to announce, I'd best begin!

Shaun (well, his wife) has had a baby. Crystal has had a baby. Exciting days ...and sleepless nights for those families. We have enjoyed the smiling and sleeping angels on their occasional work visits. Both are boys. All Pakton babies (babies born to Pakton employees during their employment time at Pakton) have been boys – bar one!

Pakton supported our customer, JVA by taking up the challenge to participate in a TOUGH MUDDER endurance event. Twelve brave (and crazy, according to the non-participants) Pakton staff members and friends elected to participate in the 20 kilometres of mud, sweat and fears. I am very proud of all participants who endured lost shoes, abandoned shoes, stage fright, mud lung, busted lip, cramp, headache, near drowning, hunger, thirst, exhaustion and the heart-wrenching Electroshock Therapy obstacle to reach the finish line. I have great respect for, not only, the team members who tried and accomplished every obstacle, but those who acknowledged their limits and passed by the potentially damaging challenges. It meant we all reached the finish line alive...eventually.

Please note that EVERYONE took the Electroshock Therapy obstacle – and survived with a shock or three. We did that for JVA, the official world-wide suppliers to Tough Mudder of the JVA SV5 Solar energizers that power the Electroshock Therapy obstacles. These energizers are, of course, designed and manufactured by Pakton. My attempts to bribe the obstacle operator to turn off the energizer were not taken at all seriously!

So, to the serious side of business and the engineering and new products. Pakton has been the first to provide a Wi-Fi energizer to the world – electric fence control with an app on your mobile phone. The first of our customers to launch this product was Red Snap'R at the New Zealand National Agricultural Field Days in June, where the product was entered in the Innovation Awards.

The Wi-fi capability will, at first, be included in the 8, 12 and 16 Joule models. In time it will also be built into the smaller models.

Did I say 16 Joule model? YES! Pakton has added a 16 Joule model to its agricultural energizer range.

Product development for other customers also continues with new product releases for various customers occurring throughout the year. Paul Thompson, our chief engineer, has also been working with standards committees as an international standard for electric fence energizers is reviewed. He has also travelled to support customers and to gather feedback for furthering and directing the product development at Pakton.

Such a dynamic world we live in!

Till next time.

Kayleen

PS: we are also pleased with our ecoBiz 1 Star Partnership which was awarded for reducing our paper/cardboard waste by 60% – what an achievement!



Kayleen Thompson
Manager
Pakton Technologies



BIGGER really is BETTER

16 Joule energizer gets added to the range

When you have a fence that you need to power, that's exactly what you need - power! These last few months, Pakton has made ground-breaking developments in manufacturing quality energizers that deliver a higher joule rating across the fence with each pulse. The new Pakton MB16 Energizer is charged with a feisty 16 Joules of output power,

with all the features you love about our 8 and 12 Joule energizers, but now also with in-built IP technology (see over page for more info).

To learn more or enquire how our MB16 can be yours today, contact sales@pakton.com.au



Pakton IP Energizer®

Taking farm management technology to a whole new level

An amazing new tool for farm management, Pakton is proud to finally announce the release of our IP Energizer and IP Energizer Controller app. The Pakton IP Energizer takes farm management to a whole new level of practicality and convenience, with a range of information about fence health, status and alerts now viewable at a glance.

Pakton is rolling out the new IP Energizer technology in our large MB8, MB12 and MB16 energizer range, with the technology being incorporated into the design of all new units.

Unique to any other kind of fencing system available on the market, the Pakton IP Energizers are an all-in-one device, meaning that apart from the energizer, no additional equipment or add-ons are required - just grab your energizer and smart phone and get talking with your fence like never before.

Utilising the latest and greatest in 'IP' technology, the energizers work by sending alerts and updates to your phone through your Wi-Fi network.



Remote on/off



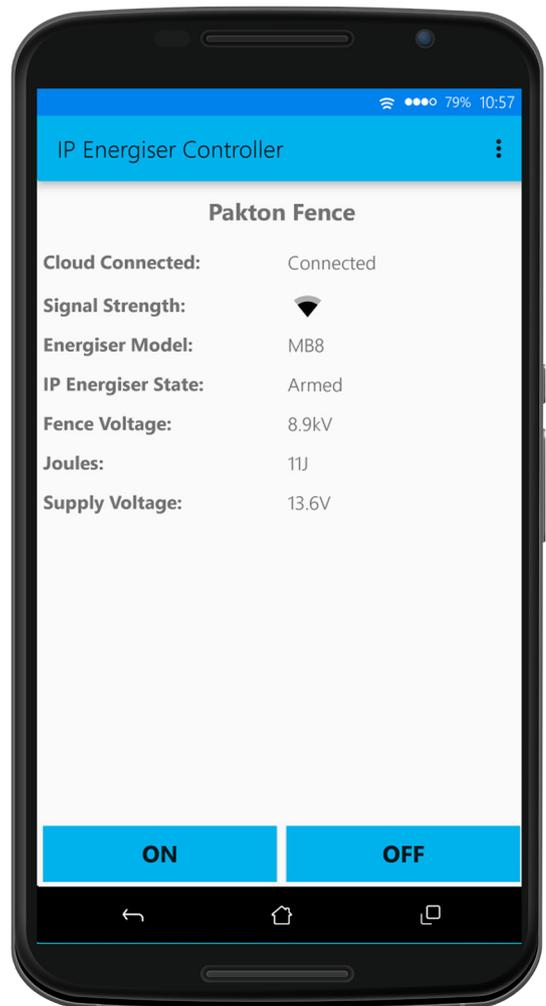
Real-time information for 24/7 monitoring and complete peace of mind



Controllable from anywhere in the world with internet access



Easily connects through your existing home Wi-fi network

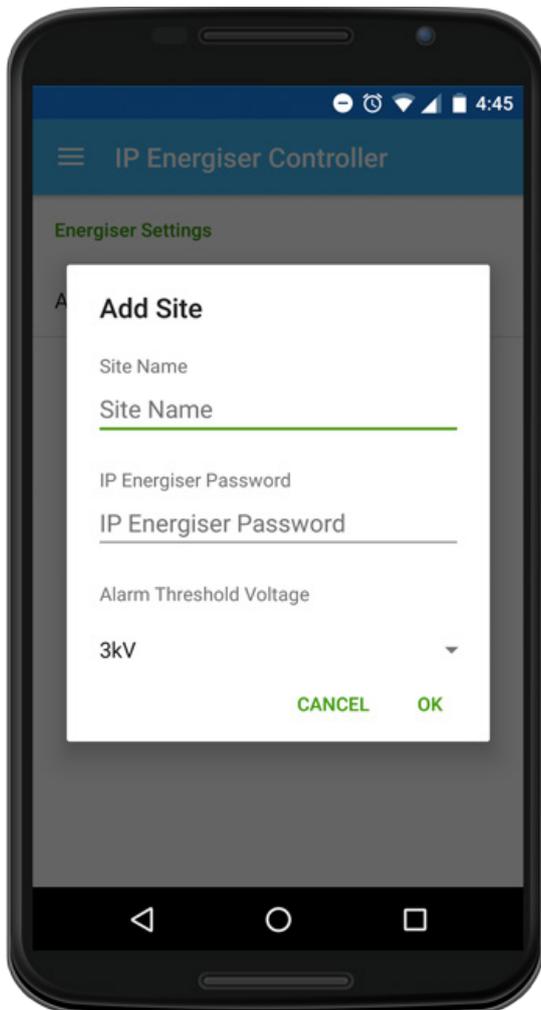


The Pakton IP Energizer literally transforms the face of farm management, providing a more convenient and cost-effective alternative to other similar technologies such as GSM - which relies on additional ongoing costs for maintenance and use.

Connecting directly through your existing Wi-Fi connection means that after setup, no additional costs are required. A game-changer in the world of electric fencing, with a Pakton IP Energizer on your side of the fence, you're in control - being able to manage your electric fence from anywhere in the world.

To see how simple the future of farm management really is, Pakton has set up the IP Energizer website, with a live feed direct to an IP Energizer setup on site. Get connected today at <http://www.ipenergizer.com>

For more information contact: sales@pakton.com.au



Password access for additional security



Customisable alarm notifications for changes in fence voltage



Add and control multiple energizers from the one app



Backed by manufacturer's technical support



Pakton Tough Mudder Team 2016

Roll up your sleeves – it's time to get *muddy*

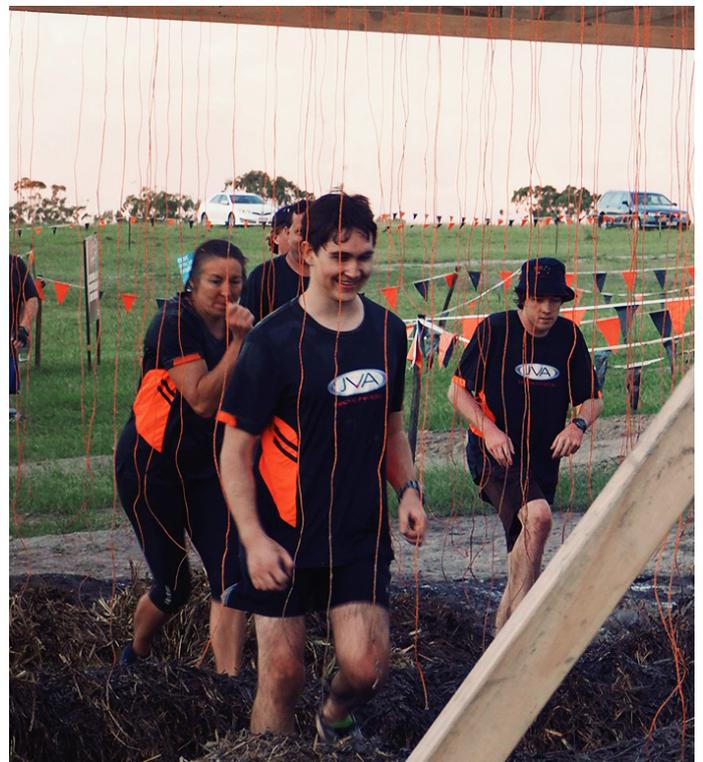


Image: Pakton and JVA staff and friends

When it comes to testing products at Pakton we take ourselves very seriously - shockingly seriously. So when Pakton-made energizers become the official supplier of 'bite' behind Tough Mudder's Electroshock Therapy obstacle, we went the extra mile to ensure their bite really was tough enough for the Mudder. Teaming up with JVA Electric Fencing, we went all-out to test what we (and our energizers) are made of.

For those who are maybe not so familiar with this masochistic event, Tough Mudder is a hardcore 18-20km obstacle course designed by British Special Forces to test your all-round strength, stamina, mental grit, and camaraderie. With obstacle names like 'The Blockness Monster', 'Backstabber' and 'Kiss of Mud', Tough Mudder is strictly for the toughest of the toughest.

Of course, the highlight of the gruelling and gruesome course would easily have to be 'Electroshock Therapy'. Despite its sedate name, Electroshock Therapy is anything but therapeutic, consisting of a field of electrified dangling polywire, hanging above

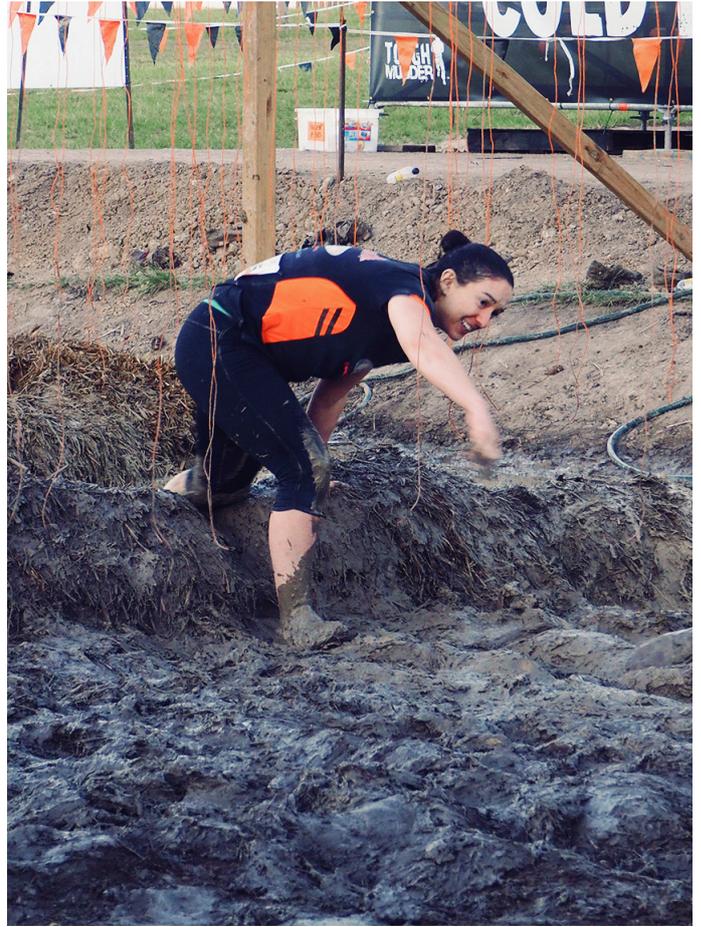


*"Of course, **tough obstacles** like this need **tough energizers** to give them guts."*

a mud pit strewn with hay bales like a minefield.

Of course, tough obstacles like this need tough energizers to give them guts. This year JVA Electric Fencing was again recruited to deliver the big guns, becoming Tough Mudder's exclusive energizer supplier, bringing the Pakton-made SV5 energizer to stand up to this epic challenge.

The verdict? Our energizers are seriously tough! (And every electrifying zap is certainly a testament to this) Though we best recommend use of our SV5 energizer for agricultural applications, daring test guinea pigs are welcome to test it out at any Tough Mudder event around the country - are you tough enough?



Tackling Queensland's Wild Dog Danger

Pioneering electric fence technologies to help tackle dingoes in the state's west

The danger and threat of wild dogs and dingos has been long recognised in the state of Queensland, Australia, since the construction of the Wild Dog Barrier Fence (WDBF) in the late 1950s. With a total estimated length of about 2500 km, protecting 26.5 million hectares of sheep and cattle grazing country, the WDBF has formed an important piece of infrastructure for the state's overall dog management strategy.

However with the dilapidation of the fence over time, the fence's effectiveness to protect farmers' livestock and livelihoods has been greatly reduced - this is where Pakton steps in. Working in collaboration with Gary Briggs of Dingo Australia, Pakton's lead engineer and CEO, Paul Thompson, has spent the first half of this year creating a self-sustaining fence monitoring system to help tackle the risk of wild dogs in Queensland's west.

Electric fence monitoring systems are not new to Pakton, who has been developing monitoring equipment for electric fences since the late 1990s. The technology has been utilised for a diverse and unique range of uses around Australia and the globe, with some of Pakton's earliest fence

monitoring systems developed for the bilby enclosure at Currawinya National Park in 2002 - the software of which is still being used in the park today.

Issues regarding wild dogs and dingos are particularly topical in Queensland due to the threat that they pose to livestock. In a report published by Meat & Livestock Australia in 2012, annual livestock production losses caused by wild dogs were valued between \$48.3m and \$48.7m across Australia, including annual losses of \$23.4m alone for the beef cattle industry in northern Australia. These valuations, which are likely gross underestimates of the true damage, are but one of the indicators for the impacts of wild dog populations in Australia.

Across Australia, there are reported increases in the distribution of wild dogs, corresponding to an associated increase of their impacts on cattle and other livestock enterprises.

The electric exclusion fence controller designed to mitigate the effects of dingo populations includes a Pakton-made MB16 Energizer combined with the ZM1 Electric Fence Monitoring System (designed



by Pakton for JVA Electric Fencing). The monitoring, which incorporates high-tech GSM technology, allows the energizer to be turned on and off by mobile phone SMS, and can also notify nominated phone numbers if there is a fault on the fence.

Powered using a solar panel, this system serves as a standalone self-powered unit that is both sustainable and reliable.

This monitoring equipment is an essential resource for farmers who are ever time-poor or for those who spend increasing durations away from their farm. Removing the need for constant inspection of their perimeter, the monitoring system saves time, and combined with the energizer, is an effective strategy for warding off feral animals.

John Ford of 'Dreamland' sheep station in Mungallalla, who participated as a trial site, is already seeing results; the system not only helping to reduce attacks on sheep, but also to assist in assisting grazing strategies and the overall management of the land.

Below right: Pakton -designed electric exclusion fence controller in field
Below left: The old wild dog barrier fence
(Image courtesy ABC News)



