

UON SMART™ CELL



uon.com.au

uon®

ENERGY FOR EVERY FUTURE

UON SMART™ PHILOSOPHY



Scalable

Start small and build up as your project grows.



Modular

Choose from standardised integrated solutions.



Automated

Automate data usage to optimise fuel efficiencies.



Renewable

Integrate solar and wind wherever possible.



Temperature-Controlled

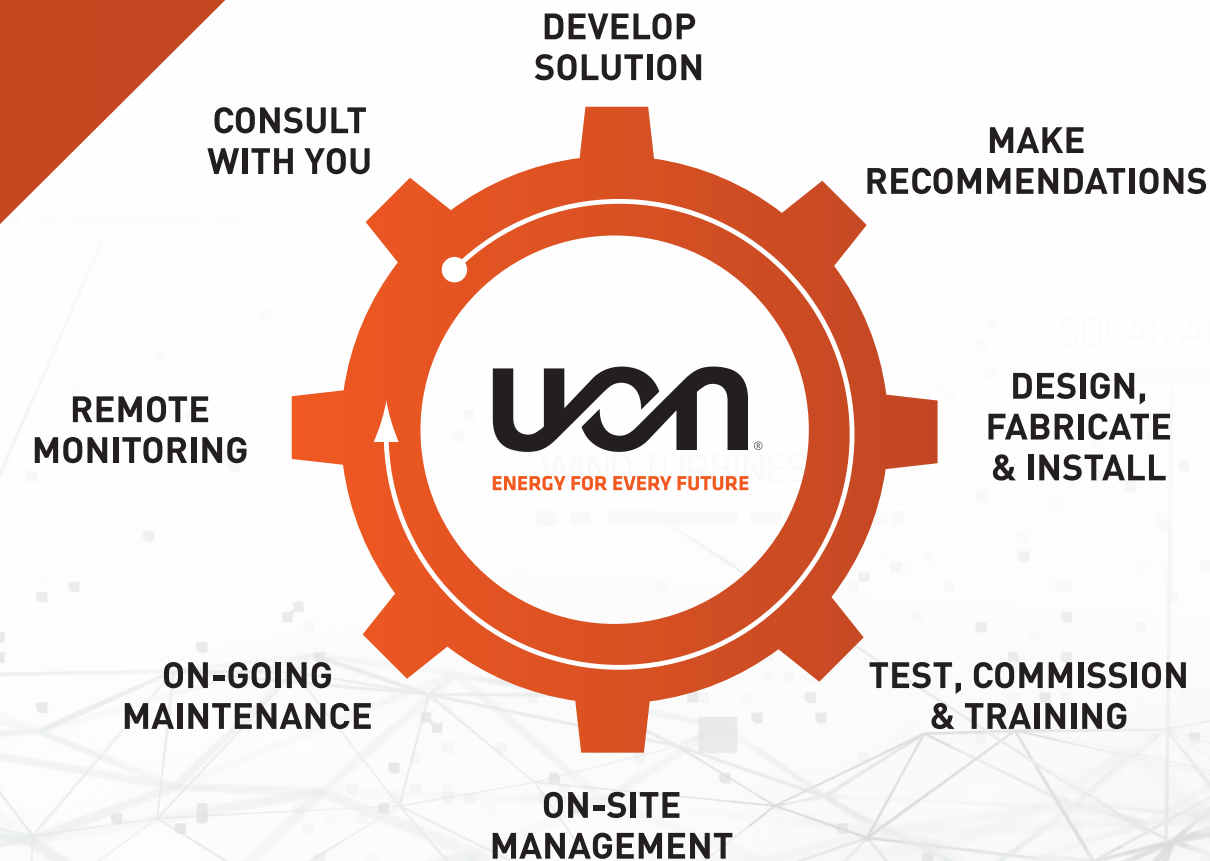
Insulate and cool for better fuel burn.

UON SMART™. An innovative new solution to overcome today's mining and energy challenges.

UON SMART™ significantly reduces your CAPEX and OPEX. An industry leading end-to-end, standardised energy management system that integrates people, data, and technology.

The Scalable, Modular, Automated, Renewable and Temperature - Controlled philosophy enables the solution to adapt, expand and integrate to any existing and new application. Intelligently, providing hybrid systems with solar, wind and batteries, that are designed to operate in harsh Australian environments, all of which combine in one system that saves money and time.

In the simplest terms, it gives you smarter, more reliable energy solutions to cut your fuel costs.



*Build, Own, Operate, Transfer

*Build, Own, Operate, Maintain

PURCHASING OPTIONS

Keeping you operational also means helping you balance the books at the end of the day.

To properly anticipate and react to future challenges and opportunities, you need to have options. It's a choice between investing, by buying equipment from different sources through EPCMs, or by buying a UON end-to-end solution that's engineered to integrate seamlessly into your processes. You can hire the equipment to save on initial capital outlay, or UON can carry the risk and Build, Own, Operate, Maintain (BOOM) the solutions while you just buy the energy or water produced.

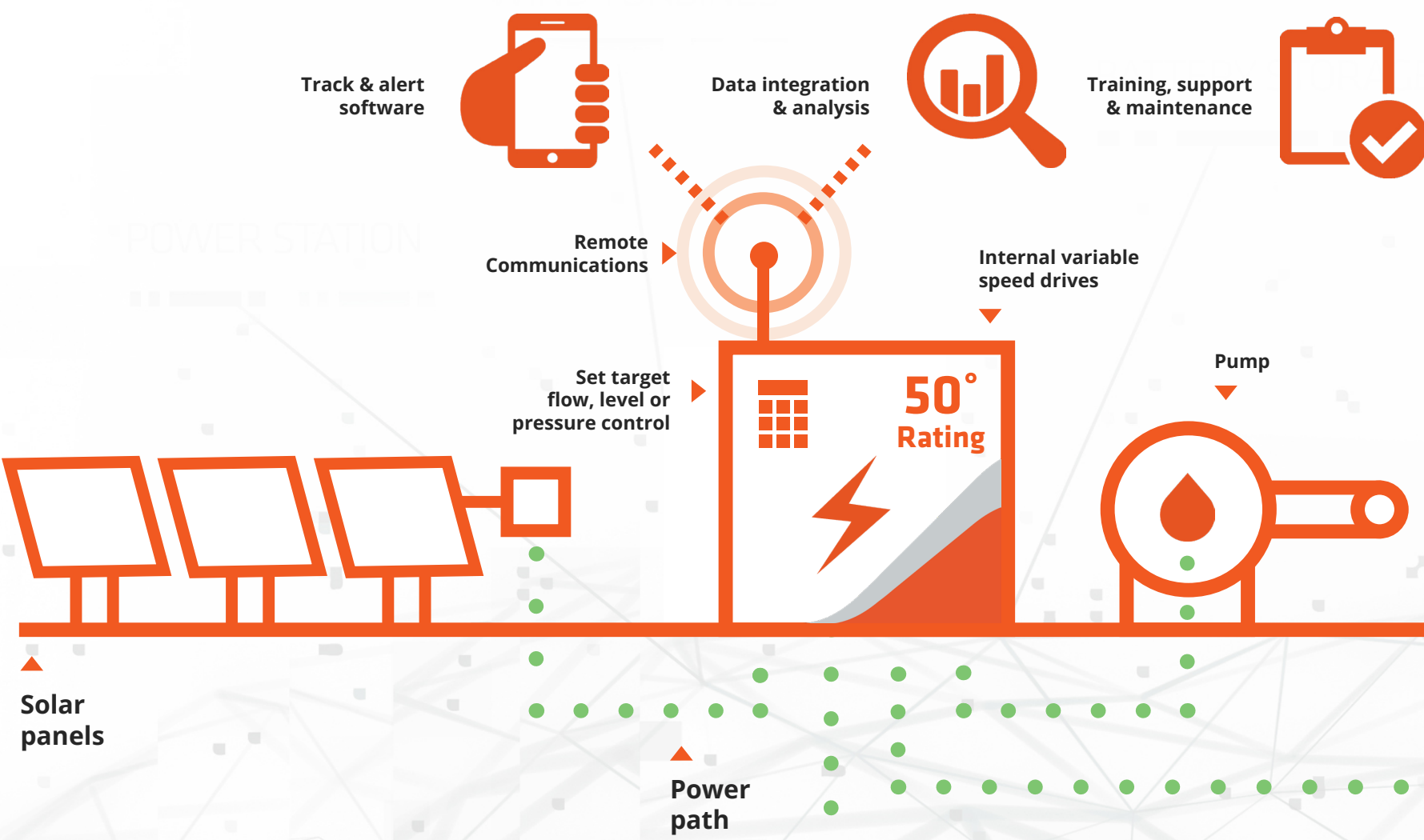
Whatever you choose, our promise is the same: to keep you on and keep you operational.



ENERGY FOR EVERY FUTURE

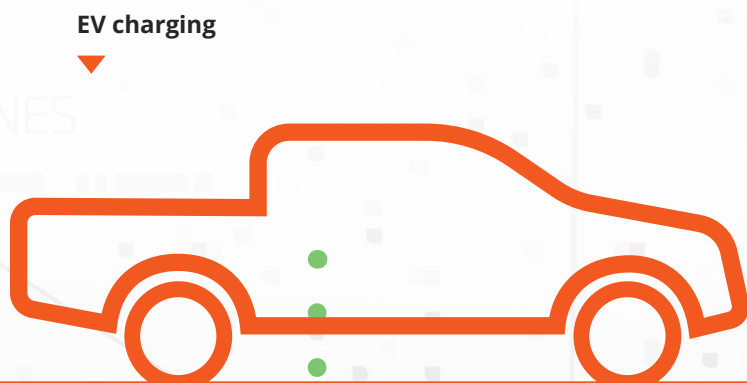
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UON SMART™ CELL SOLUTION



UON SMART™ CELL OPTIONS

- ⚡ Battery Motor Controller
- ⚡ EV charging station
- ⚡ Stand-alone Power Systems



Donga /
Campsite/
Farm



UON SMART™



**BMC
BASED ON 145 kW LOAD:**

3 YRS

UON SMART™ BMC HAS
A PAYBACK PERIOD OF:

Based on average motor system load
of 145 kW for 3 years, the CO₂ savings
is approximately 1,842 Tonnes of
carbon.

FREE YOUR SITE FROM ENERGY UNCERTAINTY

Now, instead of burning fossil fuel to provide power
for your pumping needs, UON delivers a battery
motor controller (BMC).

Traditional Solution



FUEL CONSUMED

Based on 145 kW over 3 years

BMC Solution



FUEL SAVED

Based on 145 kW over 3 years

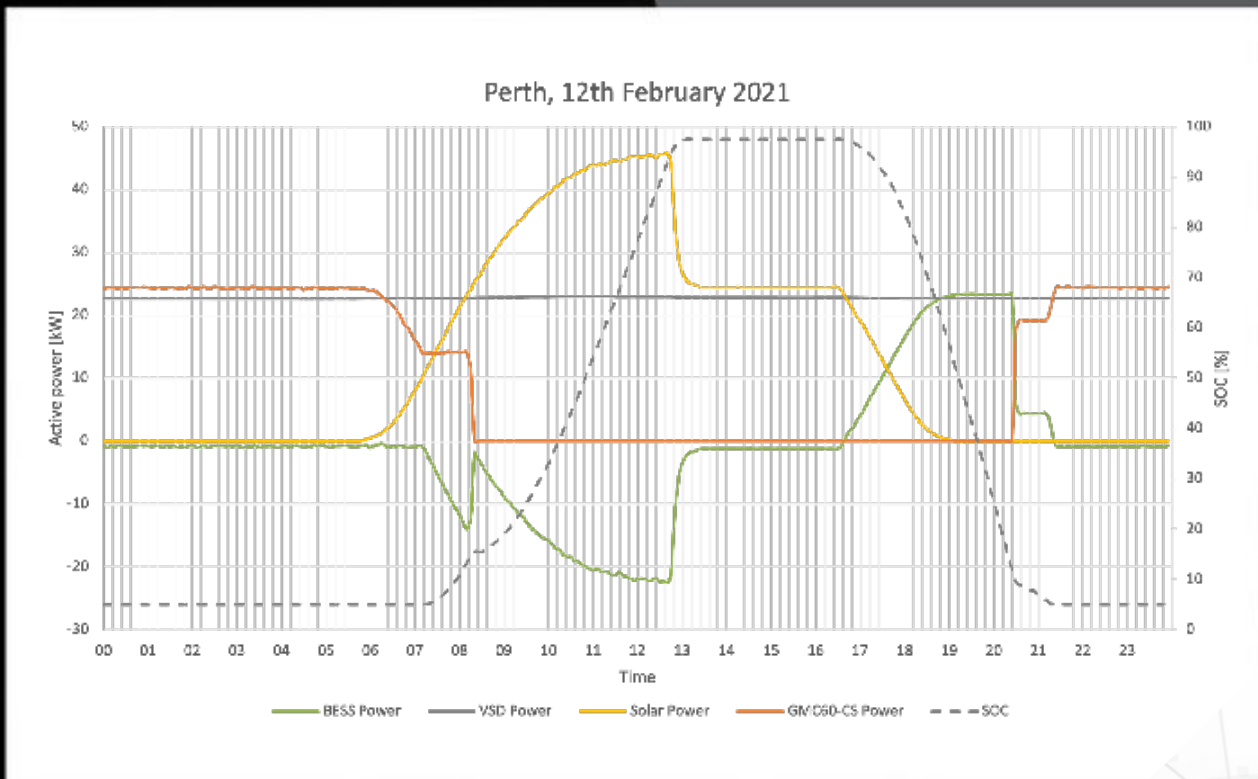
YOUR BOTTOM LINE

\$941,160 SAVINGS

BASED ON \$1.38/L

DIESEL ONLY VS UON SMART™ CELL SOLUTION

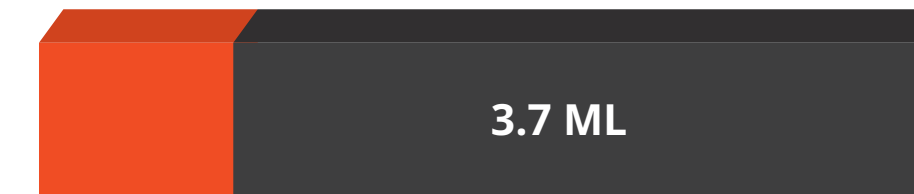
10 YRS



COMPARISON 145 kW PUMP LOAD

- Example average load 145 kW
- Annual fuel saving 227,440 litres
- Payback less than 3 years
- 60% reduction of genset running hours
- 60% renewable energy share
- Stable and reliable power supply
- AUD 3,138,672 saving over 10 years based on fuel at \$1.38 p/l
- Reduce the OEM cost by 60%

DIESEL ONLY



3.7 ML

BMC SOLUTION



1.5 ML

2,274,400 Litres of fuel saved

6,141 Tonnes of carbon saved

Your bottom line

\$3,138,672 SAVINGS

BASED ON \$1.38/L

EFFICIENCY

DELIVERED.

POWER STATION

GMC SOLUTION

BATTERY STORAGE

REMOTE MONITORING

Bore Pump 1 – Pit 5

PUMP CONTROL		SYSTEM VALUES	
Manual Mode	● ○	Flow Rate (L/s)	3
Auto Mode	● ○	Bore Level (m)	3
Off Mode	● ○	Water Temp	3
Pump Start	● ○	Pump Temp	3
Fault Reset	● ○	Pump Pressure	3
Pump Running	● ○	Conductivity (S/m)	3
Pump Stopped	● ○	PH Level	3

GENERATOR VALUES			
Oil Pressure	3	kVAh	3
Boost Pressure	3	kVAh	3
Coolant Temp	3	Engine Run Hours	3
Intake Temp	3	Fuel Used	3
Fuel Rate (l/h)	3	Number of Starts	3
RPM	3	RPM	3
Battery Voltage	3	Battery Voltage	3
Fuel Level	3	Fuel Level	3
kWh	3	kWh	3

UON

CHALLENGES ANTICIPATED.

UON's innovative turnkey power solutions and technology allows us to anticipate your challenges. With our end-to-end integration of people, data and technology, you can immediately save you up to 30% in CAPEX and OPEX.

UON is an Australian-based, integrated energy company delivering future-changing technology to the Asia-Pacific region in the resources sector and beyond.

We design, supply and install remote power and water solutions, and are transitioning to the provision of hybrid and renewable solutions to attack head-on the global megatrend of decarbonisation.

"Safely deliver UON SMART™ Solutions to support clients in their decarbonisation journey"
UON's Mission Statement

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SUPPORT SOLUTIONS



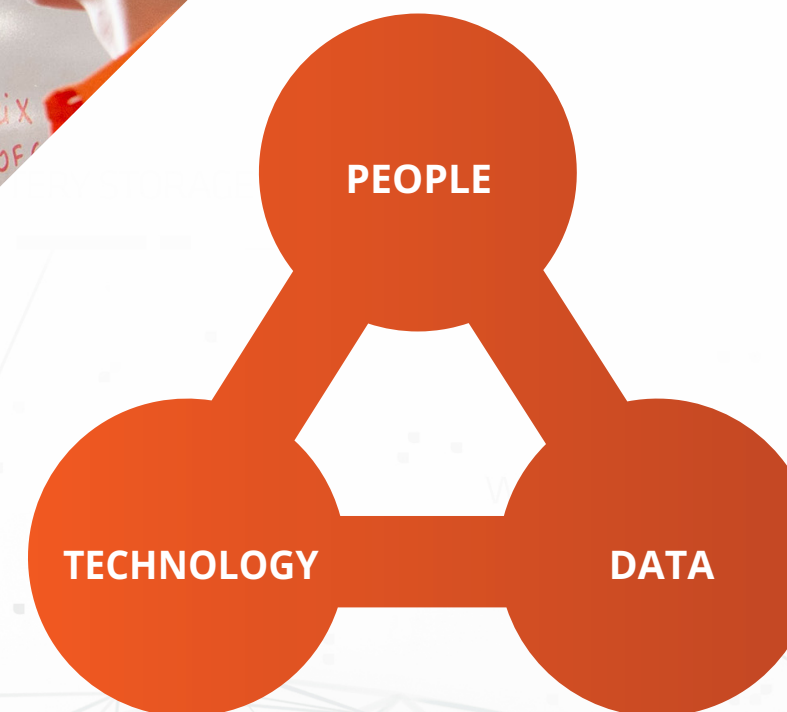
**YOU'RE NOT
BUYING A PRODUCT,
YOU'RE BUYING
AN OUTCOME.**

**Unlike others, our responsibility doesn't end with
our invoice. We are with you for the long haul.**

At UON, we are as focussed on reducing your CAPEX and OPEX as you are. Most of our equipment is available for sale or hire, whether it's a single unit or an integrated package of products.

And providing integrated solutions is where we shine. We don't wait for problems to occur. Instead, we proactively anticipate the challenges you might face in terms of your people, data, and technology, and plot these out for the long term.

Being modular and scalable, our solutions easily grow with your business. To get the most out of them, UON can provide you with UON SMART™ CELL operator training, remote monitoring, and reporting packages. And it's all backed by our 24/7 parts and servicing.

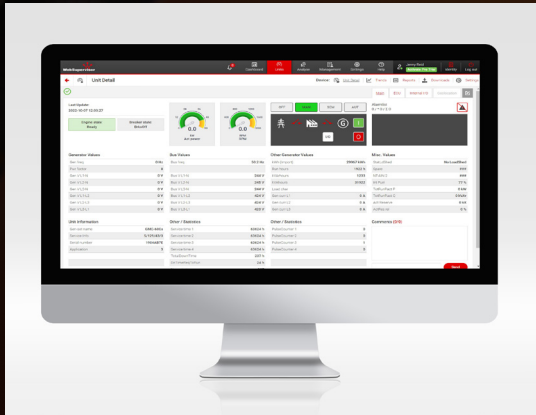


**INTEGRATION UNDERPINS
UON'S APPROACH TO SUPPORT:**



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Monitoring and Reporting

Automated monitoring and reporting ensures you get the most out of your systems, improving your efficiencies and delivering cost savings. We provide a range of systems including SCADA, Energy and Power Management, and Telemetry.



UON SMART™ CELL Training

We've developed an integrated training methodology that ensures operators can optimise fuel efficiency, analyse data, and diagnose any problems while ensuring they stay safe at all times.



Parts and Service Solutions - 24/7

We provide you with high-quality, cost-effective repairs with fast turnaround and service, whenever you need them. You get a wide range of genuine and aftermarket spare parts for all your power and water requirements.

TRADITIONAL



ORDER



DELIVERY
12-18 months



UON SMART™



ORDER



DELIVERY
6 months



WHY A VERTICALLY INTEGRATED SOLUTION MATTERS.

We've taken control of our supply chain and developed our own products—from design and manufacture, to installation, training, and monitoring.

We understand every component in our system and how you can get the most from them. We'll work with you to customise a package that suits you right now, and evolves as your needs do. We've partnered with leading energy companies to provide you with a winning combination of the best global technology and Australian ingenuity.

By simplifying and streamlining, we've created efficiencies that cut your costs and save you time.



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UON

407 Victoria Road, Malaga Western Australia, 6090

Call +61 8 9248 5133 Email info@uon.com.au

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Request a quote,

book a site assessment

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GMC SOLUTION

BATTERY STORAGE

POWER STATION



24/7 SUPPORT CALL 1800 721 878

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