



ENERGY FOR EVERY FUTURE

uon.com.au

uon

UON SMART™ ENERGY MANAGEMENT SYSTEM

Our world is changing. As the climate becomes harsher and energy security less predictable, mining equipment needs to be more adaptable. UON has been keeping mine sites operational for over 20 years. Now our solutions are saving them money. That's what we call sustainability.



Rapid-Deployment 30MW Power Station



Major Water Management Infrastructure Project



Generator Motor Controller (GMC) and Pontoon



Hybrid Power Infrastructure with 5B and Rolls Royce

POWER STATION

GMC SOLUTION

BATTERY STORAGE

EFFICIENCY

DELIVERED.

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

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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.

"Our aim is to reduce fossil fuel usage on all sites by 30% within 5 years. At the same time, we will optimise the use of capital, fuel, time, and manpower to make our clients more resilient to the economic and environmental challenges ahead."

UON's Mission Statement

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UON SMART™ METHODOLOGY



Scalable

Start small and build up as your project grows.



Modular

Choose from standardised integrating solutions.



Automated

Automate data usage to optimise fuel efficiencies.



Renewable

Integrate solar and wind wherever possible.



Temperature-Controlled

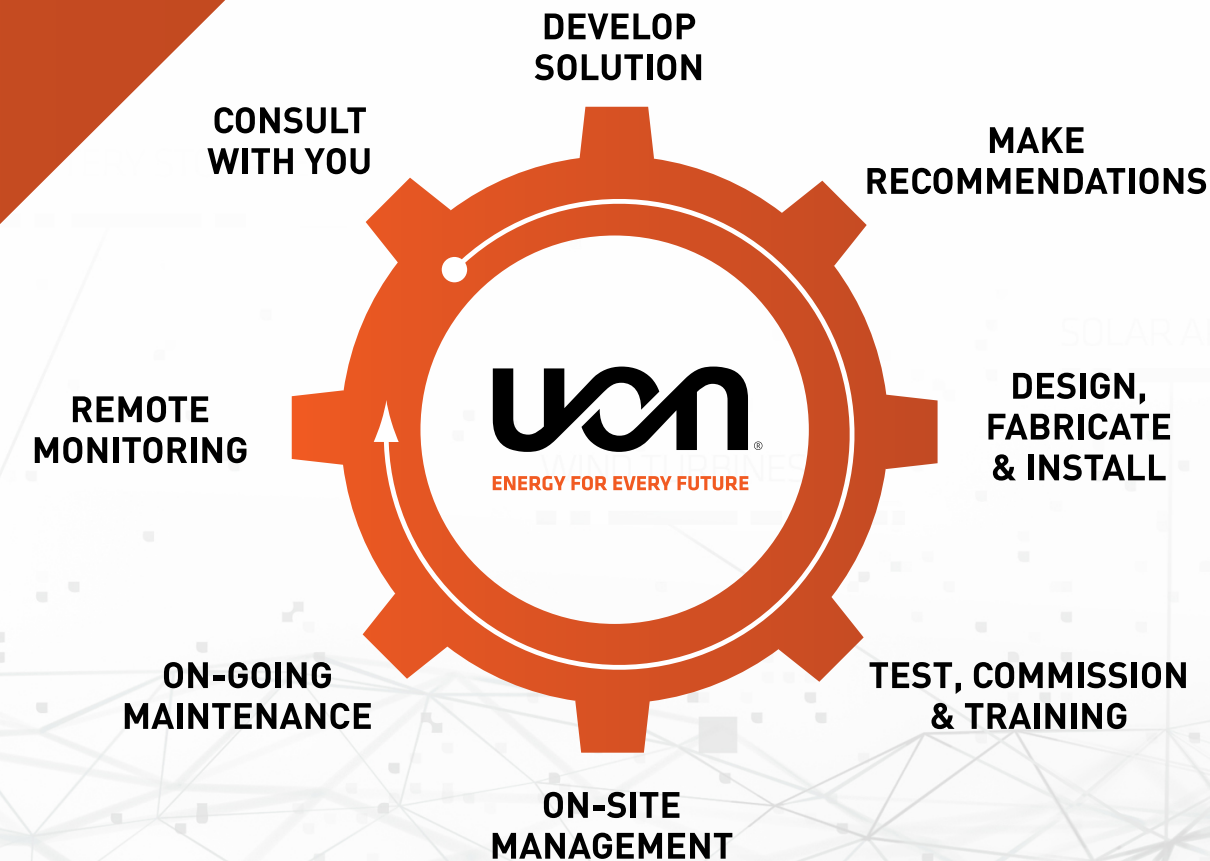
Insulate and cool for better fuel burn.

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

UON SMART drastically reduces your CAPEX and OPEX. It's a new end-to-end, standardised energy management system that integrates people, data, and technology.

Standing for Scalable, Modular, Automated, Renewable, and Temperature Controlled, this means it grows with you, and easily integrates new components. It works intelligently, creating hybrid systems with solar, wind, and batteries, and is built to deliver in the hot harsh Australian conditions. All of which combines 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, Manage

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, Manage (BOOM) the solutions while you just buy the energy or water produced.

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



WATER SOLUTIONS



THERE'S VALUE DOWN THERE,
SO WE HELP YOU EXTRACT IT
AT THE RIGHT PRICE.

Our end-to-end system incorporates pontoons,
piping, and pumps, covering installation to servicing
in one complete solution.

UON saves you money and helps you unlock the value below the surface. Our modular water solutions scale easily, as the modules simply bolt together to meet your required flow rates. From design and building, through to implementation, UON supports all manner of water solutions across dewatering, water transfer, and processing. You get a complete solution with the following purchasing options:

GMC SOLUTIONS
PROMISE TO CUT CAPEX
AND OPEX BY UP TO:

30%

Generator Motor
Controller (GMC)
Dewatering Pontoons

	BUY	HIRE	BOOM	MAINTAIN	MONITOR	TRAIN
WATER						
Dewatering Pontoons	⚙️	⚙️	⚙️	⚙️	⚙️	⚙️
Pumps	⚙️	⚙️		⚙️	⚙️	⚙️
Mobile Bore 'IR' Trailer	⚙️	⚙️		⚙️	⚙️	⚙️
Water Management	⚙️	⚙️		⚙️	⚙️	
Standpipe Pump System	⚙️	⚙️		⚙️	⚙️	
Diesel-Driven Skid Pumps	⚙️	⚙️		⚙️	⚙️	
HDPE Pipework and Lining	⚙️	⚙️	⚙️	⚙️	⚙️	
Trenching & Earthworks	⚙️	⚙️		⚙️	⚙️	



WATER SOLUTIONS Overview



GMC Solutions



GMC Dewatering Pontoons



Diesel Driven Skid Pumps



HDPE Pipework and Lining



Mobile Bore Install/ Remove



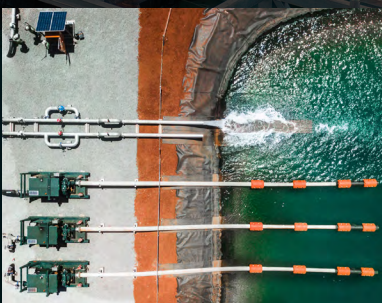
Standpipe Pump System



Pumps (Dewater/ Transfer/ Process)



Trenching & Earthworks



Water Management

OUR PARTNERS:



Quality through experience - Since 1938.

Düchting® offers solutions for almost every application where the transport of liquids plays a role.



A global leader in advanced pump solutions.

Grundfos® has been providing sustainable, innovative pumping solutions in Australia since 1980.

PROBLEM-SOLVING MEANS LOOKING ACROSS THE SYSTEM AS A WHOLE.

Our innovative solutions deliver safer worksites, reduce environmental risk, and save your money.

Dewatering Innovation

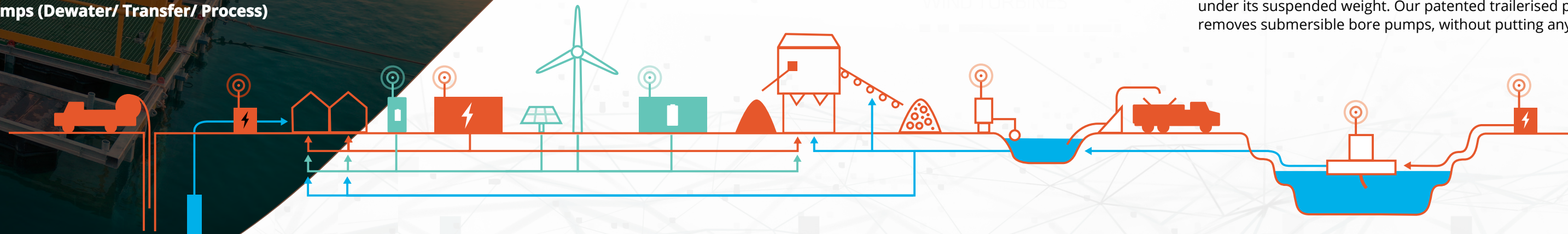
Conventional dewatering sees hydrocarbons pumped dangerously over water, which is a potential environmental nightmare. To combat this issue, we developed electric pumps on smaller pontoons—a safer, simpler, and more efficient solution.

Servicing Innovation

When it comes to servicing, the design of conventional equipment means it's not built to withstand the challenges of regular maintenance. UON pumps are located in easily removable housings to make servicing or repairs as easy as possible.

Bore Installation Innovation

Conventional bore installation systems expose your teams to the dangers of working under its suspended weight. Our patented trailerised product safely installs and removes submersible bore pumps, without putting any of your workers at risk.



SUPPORT SOLUTIONS



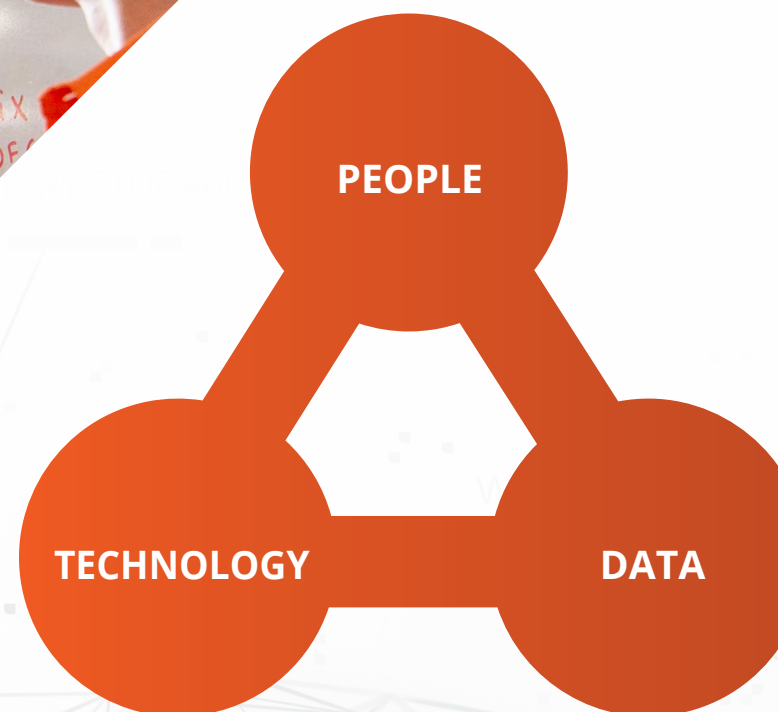
**YOU'RE NOT
BUYING A PRODUCT,
YOU'RE BUYING
AN OUTCOME.**

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

At UON, we're 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 GMC 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:**



SUPPORT SOLUTIONS Overview



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.



GMC Operator 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.



SUPPORT SOLUTIONS *Focus on Parts and Service Solutions*



24/7 SUPPORT CALL 1800 721 878

From pumps to generators, UON are always here to help.



SERVICE & REPAIRS:

- Diagnostic & consulting services
- Preventative maintenance & support
- Condition monitoring
- Testing to latest Australian standards
- In-house & onsite repairs
- 24/7 emergency support
- Pump test facility up to 170KW 415V
- Load testing up to 30MW and beyond if needed ex stock

CHOOSE THE RIGHT SUPPORT FOR YOUR BUSINESS

Service, spare parts, repairs, or major overhauls, we've got the solution to keep your projects running, no matter what.

Our service extends well beyond installation. We service all of our equipment in-house and on-site, so we take full responsibility for all our products, wherever you use them.

All of our spare parts are manufactured to the highest specification and we can provide spare parts for most makes and models for any of your power, air, and water equipment needs.

- Scheduled preventative maintenance.
- Flexible service options to meet your needs.
- Fixed price service agreements.
- We contact you when your equipment is due for service.
- Predictive analyses, such as oil sample analysis and vibration analysis, is included in our service agreement.



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Request a quote,

book a site assessment

1800 721 878

GMC SOLUTION

BATTERY STORAGE

POWER STATION



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