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FIRST SOLAR QUBE® STAND-ALONE POWER SYSTEM DEPLOYED TO AUSTRALIAN EAST COAST

- Boundary Power, an Ampcontrol joint venture with West Australian utility Horizon Power, successfully delivered first onsite deployment of Solar Qube® stand-alone power systems (SAPS) for an East Coast utility provider.
- The multi-award winning renewable Stand-Alone Power System (SAPS) product, manufactured by Ampcontrol in the Hunter Valley, has been installed on a remote site in regional NSW to provide continuous, reliable, off-grid power for the end.
- This marks the first time Solar Qube® has been deployed on the East Coast

Ampcontrol and Boundary Power, their joint venture with West Australian utility Horizon Power, successfully delivered the first onsite deployment of Solar Qube® in regional NSW, marking the first time an Ampcontrol manufactured onsite, renewable Stand-Alone Power System (SAPS) has been deployed on the Australian East Coast.

Solar Qube® is a self-sufficient renewable power generation unit that incorporates solar photovoltaic panels, inverters, battery storage technology and a backup generator. The solution is fully workshop assembled, with all electrical testing and commissioning completed before the unit arrives at the deployment site. The innovative solution is designed to withstand extreme Australian conditions and will provide the end user with the confidence of continuous, reliable renewable power throughout the year.

“To have Boundary Power’s very first Solar Qube® deployed into New South Wales, a market that is seeing significant growth, is exciting for the team who designed the product here in the Hunter Valley. We look forward to seeing the increase in demand from the east coast as they follow in Western Australia’s footsteps and embrace off-grid renewable SAPS to deliver energy into remote communities,” says Rod Henderson, Ampcontrol Managing Director & CEO.

Designed and manufactured by Ampcontrol, to date six Solar Qube® SPS have been fabricated, electrically fitted out, and tested in the Tomago (NSW) Workshop.

“It’s inspiring to be part of a renewed focus on sustainable energy with a product that is designed, engineered and manufactured on the East Coast,” says Jessica Irvine-Brown, Ampcontrol Project Manager.

Solar Qube® SAPS technology offers a renewable energy alternative that removes the need for ‘poles and wires’, increasing resilience, reliability, and safety of onsite energy provision. This is the first time this utility provider has installed SAPS with the purpose of removing poles and replacing wires.

Speaking about the East Coast SAPS market, Amy Guo – Boundary Power Business Manager, commented:

“Electricity Network providers within Australia’s East Coast are now able to embrace off-grid SAPS technology and provide alternative solutions to end users in remote locations. These SAPS products are safer and more reliable than tradition grid power.”

“Renewable power is at the heart of Boundary Power’s purpose. We assist utility providers in their vision to prioritise a cleaner, greener future for the communities through our products and services.”

The award-winning Solar Qube® was recently featured on Channel 10’s innovation showcasing series, Australia ByDesign where Ampcontrol Chief Technology Officer, Tim Wylie and Project Manager Jessica Irvine-Brown showcased the under 90-minute deployment ability of Solar Qube®. You can watch the episode [here](#).

Ends.

Ampcontrol is Australia's largest privately-owned electrical engineering company leading advanced global manufacturing of award-winning innovations, products, solutions and service to the resources, infrastructure and energy sectors. Founded in Newcastle NSW in 1968, Ampcontrol has grown to over 900 employees across 30 operations worldwide.

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About Ampcontrol

- Ampcontrol is Australia's largest privately-owned electrical engineering company leading advanced global manufacturing of award-winning innovations, products, solutions and service to the resources, infrastructure and energy sectors.
- From humble beginnings founded by four friends in a small shed in Newcastle in 1968, Ampcontrol has grown to over 850 employees across 30 operations worldwide.
- Ampcontrol co-founder, Peter Cockbain AM, is named by Engineers Australia as one of Australia's top 100 influential engineers and in 2015 he became a Member of the Order for Australia for his significant services to engineering.
- Locations include New South Wales, Queensland, Victoria, South Australia, Western Australia, Northern Territory, ACT, Asia, India, Mongolia, UK, and France.
- Consists of 6 member companies; Ampcontrol, Captech, CPS National, ResTech, Verico Group, and Austech.
- The largest operation is located in the Hunter, NSW, with a combined manufacturing space totalling over 21,000sqm spread over 10 different sites.
- Designed and built lifesaving emergency ventilator prototypes for the NSW Government in response to the COVID-19 pandemic.
- Developed the world's first IECEx certification for an explosion protected, hermetically sealed, nitrogen filled and pressurised mining transformer.
- Developed the industry's first 132kV emergency response mobile substation that has received RTA approval as a new special class type of vehicle due to its innovative design and ability to meet all road safety requirements.
- Developed Australia's first variable speed drive (VSD) installed on a longwall armored face conveyor in Moranbah North Longwall.
- Designed and developed a breakthrough remote water treatment system that transforms undrinkable water into pure water. Pilot project currently installed in a remote indigenous community in Gillen Bore, Northern Territory.

MULTI-AWARD WINNING ENGINEERING, DESIGN, AND INNOVATION

- 2021 Good Design Award for Excellence In Engineering Design (Solar Qube)
- 2021 Hunter Manufacturing Award for 'Excellence In Product Design' (Solar Qube)
- 2021 Hunter Manufacturing Award for 'Collaboration Partnership' (Hybrid Diesel Electric Boat)
- 2020 Hunter Business Award for Excellence In Innovation & Adaptability for 'Emergency Ventilator Project'
- 2020 Hunter Manufacturing Award for Collaboration Partnership for 'Emergency Ventilator Project'
- 2020 Hunter Manufacturing Award for Manufacturing Pivot for 'Emergency Ventilator Project'
- 2020 Lake Macquarie Business Excellence In Innovation for 'Emergency Ventilator Project'
- 2020 Consult Australia Awards for Excellence for Technological Innovation for 'Gilghi'
- 2020 [Institution of Civil Engineers](#) Chris Binnie Award for Sustainable Water Management for 'Gilghi'
- 2020 Engineering Excellence Award Newcastle Division for 'Gilghi'
- 2020 Good Design Award winner for Social Impact for 'Gilghi'
- 2020 NSW Mining Supplier of the Year
- 2020 Australian Water Association NSW Water Infrastructure Project Innovation Award for 'Gilghi'
- 2019 Hunter Business Excellence Award for Innovation' Gilghi'
- 2019 Good Design Award winner for Product Design – Commercial and Industrial for 'Rockstarter'
- 2019 Good Design Award winner for Engineering Design for 'Rockstarter'
- 2019 Scottish Engineering Awards – President's Award winner
- 2019 Lake Macquarie Business Excellence Award for Innovation for 'Gilghi'
- 2019 Mine Electrical Safety Conference Innovation Award for AFC VSD Moranbah North Longwall Project
- 2018 HunterNet Chairman Awards Excellence In Work Health Safety
- 2018 Hunter Business Awards Excellence In Business (20+ employees)
- 2018 NSW Minerals Council Outstanding Supplier for 'H3RO'
- 2017 Hunter Manufacturing Awards Excellence In Product Design for 'VoiceComm Phone'
- 2015 Engineers Australia Newcastle Engineering Excellence Award for 'Arc Fault Venting – Simulation and Practice'
- 2013 Australian Engineering Excellence Award winner for Engineering Innovation' Management of VSD earth leakage currents in fault limited networks'
- 2010 Australian Engineering Excellence Award winner for Engineering Excellence' Blakefield South 11kV longwall in partnership with Xstrata Coal and Joy Global'
- 1998 Australian Engineering Excellence Award winner for Engineering Excellence 'iMAC'