

## **MEDIA RELEASE**

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### **EleXsys Energy helping IKEA turn their blue boxes green**

#### **Construction has commenced on Australia's largest grid-connected commercial microgrid of its kind by eleXsys Energy at IKEA Adelaide**

IKEA Australia has announced the launch of its first grid-connected, clean energy storage initiative that will support the South Australian power grid, in addition to powering its Adelaide store.

The IKEA eleXsys Microgrid will transition IKEA Adelaide to operating with 100% renewable energy by 2025 and will also generate low cost, clean energy for the Adelaide community. The project is made possible by eleXsys Energy's unique eleXsys energy management system.

For commercial property owners, the IKEA eleXsys Microgrid demonstrates the potential energy savings and revenue opportunities from optimized commercial rooftop solar and battery installations that, enabled by eleXsys, can export surplus energy into networks without the risk of curtailment by network operators.

Stage 1 of the project will see 1.2MW of solar panels installed on the rooftop of IKEA Adelaide, coupled with a 3.4MWh onsite battery, managed by eleXsys Energy's eleXsys energy management system. The owner and operator of the microgrid, Epic Energy, will provide over 70% of the store's electricity consumption. The installation of the eleXsys technology solution will enable the surplus stored clean energy to be traded into the South Australian network when demand is at its highest to generate additional revenue for Epic Energy – improving their return on investment.

The second stage of the project will include the construction of sustainably sourced timber PV shade structures across the IKEA Adelaide car park. These structures will host approximately 800 KW of solar panels to increase the amount of surplus energy to be sold into the grid. This stage will generate a further 30% the store's energy needs, resulting in IKEA Adelaide becoming 100% powered by onsite renewable electricity.

EV chargers will also be installed onsite for customers, co-workers and the IKEA delivery fleet servicing South Australia.

**Quotes attributable to:**

***eleXsys Energy's Chief Commercial Officer, Jonathan Ruddick***

“The inclusion of eleXsys Energy’s eleXsys energy management system is the critical link that makes the IKEA, grid-connected microgrid project so innovative and world leading.

Our eleXsys technology solution functions to ensure certainty of revenue streams from the export of surplus solar energy and grid stability services into the grid without the risk of curtailment by electricity network operators.”

By attracting third party investors like Epic Energy, commercial building owners now also have the option to utilize their own infrastructure to generate cheap, clean energy without using their own capital.

eleXsys is a unique, Australian designed technology platform that can be configured to offer C&I building owners a range of unrivalled, optimized clean energy solutions to meet their particular operational requirements.

We are particularly proud to contribute to the IKEA journey to achieve 100% renewable energy at their Adelaide site while also helping SA Power Networks provide more secure, clean energy to the broader South Australian community.”

***Jan Gardberg, CEO and Chief Sustainability Officer for IKEA Australia***

“IKEA Australia is excited to be working with such inspirational partners to help shift the dial on clean energy production in Australia.

The IKEA Australia Clean Energy Transformation Project will help us achieve three goals in our sustainability agenda including:

- being powered by 100% clean energy,
- transitioning our delivery fleet to 100% zero-emissions
- inspiring our customers in joining a clean energy movement.

Our ambition is to be the first mover and inspire other IKEA stores to install larger solar installations, batteries and digital solutions. eleXsys Energy’s eleXsys energy management system will support the balancing of the electricity grid not just on stores in Australia, but across the IKEA network around the world.”

***Epic Energy's Chief Executive Officer Clive D' Cruz***

“Epic Energy is proud to be a partner in the world-leading IKEA Microgrid project, together with IKEA Adelaide, eleXsys Energy, SA Power Networks and the South Australian Government.

“This project creates a unique solar generation and energy storage opportunity to export surplus clean energy into the South Australian power network, while providing support to the network.

“Epic Energy believes this project - and decentralised generation more broadly - sets the foundation for a sustainable new energy model for Australia, that will play an important role in Australia’s energy mix over the coming years.

“Our involvement demonstrates the attractiveness of investing in projects that can safely, securely and reliably export surplus clean energy into low voltage urban networks.”

***South Australian Minister for Energy and Mining Dan van Holst Pellekaan***

“The project will let IKEA significantly reduce its carbon footprint and make it easier for other companies to adopt low carbon technologies, and will combine innovative grid integration technology with 1.2MW of rooftop solar photovoltaics and a 3MWh (3.4MWh) CATL battery and is a significant project for the state.

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**About eleXsys®**

Invented in Australia, eleXsys is an internationally award-winning technology solution to the challenge of voltage volatility created by increasing distributed energy resources competing to dispatch energy into energy grids.

The ever-increasing popularity of solar PV, wind and other clean energy distributed resources will continue to create challenges for network operators both around Australia and internationally to provide ongoing safe and stable energy to consumers.

eleXsys Energy’s eleXsys technology platform represents an important contribution to the stability solutions sought by network operators and their consumers, without the need for expensive network infrastructure upgrades.

Applied across commercial and industrial environments, eleXsys enables building owners to maximise their returns on investment from optimized rooftop solar installations.

**About eleXsys Energy :** For more information go to <https://eleXsys.com/>. Please note that in Australia, eleXsys Energy trades as Planet Ark Power.