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## ASX Release

22 December 2015

### Xped and UniSA make energy research study possible

- Researchers discover Xped's ADRC following global search for energy monitoring solution
- Field trials of the ADRC enabled equipment to begin in January 2016
- Multi-year study will lead to understanding of electricity usage patterns in households

Raya Group Ltd (**ASX: RYG**) ("**Raya**" or "the **Company**") is pleased to announce that Xped Holdings Limited (**Xped**) and the University of South Australia (**UniSA**) are working together to build an energy monitoring system that will encompass the "revolutionary" and "patented" ADRC (Auto Discovery Remote Control) IOT technology developed by Xped.

The Barbara Hardy Institute at the University of South Australia is undertaking a multi-year study of homes in the Adelaide metro area to understand the electricity usage patterns of various types of households.

Funded by a number of national competitive grants (The Australian Greenhouse Office, The CSIRO Intelligent Grid Cluster, the CRC for Low Carbon Living) the study requires the collection of data on the electricity used across the whole home and by various major appliances including fridges, washing machines and others.

Specialist in renewable energy technologies from UniSA Dr David Whaley says the search for an energy monitoring system for the project hasn't been easy.

"We searched the world for a suitable energy monitoring system but were unable to find a fully integrated system that completely met our criteria," Dr Whaley says.

"I was delighted to find that the solution we need can be produced in our own backyard.

"Originally an Adelaide company pioneering next-generation internet connection and control technologies, Xped is now working with us on an end to end energy monitoring system that collects data from individual appliances and makes it available via download from the cloud."

The equipment based on Xped's ADRC technology makes it very easy to install and configure as well as providing a very high level of data security.

Appliances are connected to Smart Plugs that accurately measure the real power consumed as well as usage patterns. Data is collected via a secure hub, compressed and then uploaded to the cloud form where it can be conveniently accessed for detailed analysis. It is expected that field trials of the new energy monitoring system will begin in January 2016.

The UniSA research will provide valuable insights into Australian energy usage patterns and can be used by governments for planning purposes as well as to assist with their climate change strategies.

### **About University of South Australia**

The University of South Australia is Australia's University of Enterprise – globally focused, locally engaged, and committed to the principles of excellence and equity.

With more than 34,000 students, it is South Australia's largest university.

It was the youngest Australian institution to be named in the top 50 of 2014 *100 global universities aged under 50* by the Times Higher Education and in 2015 was ranked by Quacarelli Symondes at number 25 globally in the young universities grouping.

UniSA's enterprising approach is underpinned by deep engagement with industry and the professions with more than 2000 collaborations and partnerships across industry, government and business worldwide.

### **About Xped**

Xped has developed revolutionary and patent protected technology that allows any consumer, regardless of their technical capability, to connect, monitor and control devices and appliances found in our everyday environment. It's as simple as two people shaking hands. By enabling the Internet of Things, Xped's Auto Discovery Remote Control (ADRC) platform will bring benefit to Manufacturers, Retailers, Service Providers and Consumers.

Under a conditionally accepted Heads of Agreement signed on 25<sup>th</sup> October, 2015, Raya Group Ltd are in the process of acquiring Xped Holdings Ltd, including its subsidiaries and assets.

At Xped, we're ***Making Technology Human Again.***

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