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VRFB Specialist Engaged to Manage KORID's 1MW/4MWh VRFB development

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- Following commencement of the AU\$9.7m Korean Institute of Energy Technology Evaluation and Planning (KETEP) battery trial the Company has engaged Dr. Soowhan Kim as technical advisor to oversee the project development
 - Dr. Kim has more than 20 years experience in the development of next generation energy conversion and storage technologies
 - Former Research Director of OCI Company Ltd leading the development of VRFB systems
 - Senior Research Scientist at Pacific Northwest Laboratory, a leading flow battery researcher managed by the US department of energy working on the development of advanced electrolytes
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Protean Energy Ltd (**Protean**) is pleased to announce that KORID Energy, a 60% owned Protean subsidiary¹, has appointed Dr Soowhan Kim as technical advisor to assist in the development of the AUD\$ 9.7m 1MW/4MWh vanadium redox flow battery (VRFB) system managed by KETEP.

Dr Kim is a leading authority on emerging energy storage systems having over 20 years experience working for large research associations and energy corporations. Dr Kim is also acting as the administrator of the KETEP grant.

Dr Kim is currently based out of Sunkyunkwan University, South Korea acting as Industry collaboration professor however he gained his PhD in Engineering from Pennsylvania State University. Dr Kim has been involved in fuel cell development in senior research positions for Hyundai Motor Company since 1998 and is the recipient of numerous awards from the company for outstanding achievements within the battery development sector.

Dr Kim acted as the senior research scientist for Pacific Northwest Laboratories (PNNL) and lead the team involved with development of redox flow battery system development including providing technical support to a 1MW/8MWh VRFB installation conducted by Ashlawn Energy.

Subsequent to his role at PNNL Dr. Kim was appointed as research director at OCI Company Ltd, a global leader in Green Energy and Chemicals which is KOSDAQ listed and operates out of 6 countries and employing over 2,400 employees. In his position he led a team in the research and development of energy storage systems.

Protean chairman Bevan Tarratt commented: "We are extremely pleased to have Dr. Kim involved in the development of the KETEP trial battery project, this appointment grants the company access to over 20 years of experience in leading industry and research bodies. The combination of Korean government support and a world-class technical team provides significant value accretion to Protean's Korean operations."

For further information, see www.proteanenergy.com or phone: T: + 61 8 9481 2277

¹ Refer ASX announcement 17 October 2018 for further details about the Company's acquisition of an additional 10% (for a total of 60%) of KORID Energy.