



ASX Release

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Harry Perkins Institute of Medical Research increases big data analysis with DUG McCloud partnership

High performance computing technology company DUG Technology Ltd (**ASX:DUG**) (**DUG** or the **Company**) is pleased to announce that it has signed a deal with the Harry Perkins Institute of Medical Research to access high-performance computing (HPC) cycles and software using DUG McCloud to boost the research output at the institute.

The Harry Perkins Institute of Medical Research is one Australia's leading medical research institutes investigating diseases affecting the community. With over 250 researchers located on three hospital campuses in Perth, the Harry Perkins Institute is uniquely positioned to fast track the development of new discoveries and treatments and provide international and local pharmaceutical and biotechnology companies the facilities to trial latest drugs and treatments in healthy volunteers and patients.

The partnership relates to the high-performance computer and storage capability needed to conduct analysis using genomics and other bioinformatics heavy technologies. Bioinformatics combines biology, computer science, information technology, mathematics and statistics to analyse and interpret biological data.

DUG Technology Managing Director Matt Lamont said the Harry Perkins Institute partnership using the DUG McCloud platform was a perfect example of the value of high-performance computing to process large, complex scientific data sets.

"DUG is delighted to work with the first-class team at the Harry Perkins Institute as they strive to improve the health of all Western Australians.

"We empower scientists to concentrate on the science and in doing so enable powerful thinking to tackle some of the biggest health issues. We are at the start of what will be an exciting collaboration.

"Our high-performance computing power and the research expertise of groups led by renowned professors such as Ryan Lister, Alistair Forrest, and Nigel Laing, will be a potent combination," added Dr Lamont.

Harry Perkins Institute of Medical Research Associate Director of Research, Professor Alistair Forrest, said: "Access to additional high-performance computing significantly increases our research capacity and allows us to expand the amount of data we can analyse.

"High-performance computers are used to look for disease mutations, they can help analyse the behaviours of a particular cell type that may be causing disease, or can enable researchers to see the range of cells present in a patient's tumour.

"Affordable genetic sequencing, for example, has resulted in a rapid increase in the amount of genetic data we are analysing."

Dr Lamont said momentum was continuing to build around DUG's High-Performance Computing as a service business (HPCaaS), with several companies evaluating the benefits it can provide. The Harry

Perkins Institute partnership announcement is the latest in a stream of deals following DUG's recent announcement with ExxonMobil.

Authorised for release by Matt Lamont, Managing Director of DUG Technology Ltd.

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About DUG

DUG is a technology company at the forefront of high-performance computing with a strong foundation in applied physics. DUG's innovative hardware and software solutions for the global technology and resource sectors enable clients to leverage large and complex datasets. The Company provides cloud-based, high-performance computing as a service (HPCaaS), multi-tiered support for technology onboarding and code optimisation, and integrated services. DUG has offices in Perth, London, Houston and Kuala Lumpur. The Company designs, owns and operates some of the largest and greenest supercomputers on Earth.

To learn more, please visit www.dug.com

In addition, to help you understand DUG's technology proposition and scale of operations, please watch:

- "Pedal to the Bare Metal" at: <https://www.youtube.com/watch?v=Wqs-C77oDHE>
- Time lapse video of the build out of DUG's data centre in Houston that can accommodate a 150PF supercomputer, and currently has 21PF installed at: <https://www.youtube.com/watch?v=eJ98oWk7AuM&feature=youtu.be>.