



## **DUG announces arrival of immersion tanks for Houston supercomputer**

(HOUSTON, 17 April 2019) - [DownUnder GeoSolutions \(DUG\)](#) is excited to announce tanks are arriving at [Skybox Houston](#) for its huge geophysically-configured supercomputer, Bubba.

Part of a unique cloud service tailored specifically to the geophysics community, called DUG McCloud, the supercomputer will be housed in a purpose-built exascale compute facility in Houston.

Construction began on the Texas facility in late 2018. After initial setbacks caused by winter storms, work has continued on DUG McCloud at a remarkable pace ever since.

In February, along with immense concrete slabs for the facility's 10 enormous cooling towers, 20 km (13 miles) of cooling pipes were installed for Bubba, and enough power boards and air handlers to line the entire 50m (165ft) north wall.

DUG will cool the massive Houston supercomputer using their innovative immersion cooling system that has computer nodes fully submerged in specially-designed tanks filled with polyalphaolefin dielectric fluid.

This month, the first of these 722 tanks have been arriving in shipping containers at the facility in Houston. The specially-designed tanks have spent many months in crates at sea, travelling thousands of kilometres across continents, through storms and plain sailing weather.

DUG's Managing Director, Dr Matthew Lamont, said "We are beyond excited with how well the construction of the Houston facility is going. In a few short months we have gone from mud to 6-metre high pipe stands for our cooling towers, and from an empty room to rows of our familiar orange, custom-made DUG tanks.

"Everything is on track and we plan to officially launch in May." Dr Lamont concluded.

DUG McCloud will also use the largest installation Intel® Xeon® processors in the world.

The first DUG McCloud data hall at Skybox has 15 MW of power, and will house a 250 petaflop (single-precision) machine, known as Bubba. DUG already has a second, identical, data hall with plans in place to commence build out in late 2019. Joint capacity of the two data halls will be approximately 650PF and work is currently underway for DUG to expand the supercomputer facility at Skybox beyond an exaflop (double-precision) by 2021.

## **ENDS**

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### **About DownUnder GeoSolutions**

DownUnder GeoSolutions is one of the world's leading geoscience companies, providing data processing and imaging services and seismic interpretation software to the global oil and gas industry.

DUG has offices in Perth, London, Houston, and Kuala Lumpur.

Connect with DUG on Twitter [@DownUnderGeo](https://twitter.com/DownUnderGeo) or visit [www.dug.com](http://www.dug.com)

### **About Skybox Data Centres**

Skybox Datacenters is a leading mission critical data center owner, developer and operator with a focus on wholesale enterprise facilities. The team's experience comprises 50 million square feet of real estate development and over \$435 million worth of mission critical transactions throughout North America.

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