

## News Release

### **MAK Technologies Selected to Provide Common Simulation Software System for the Australian Army's Land Simulation (LS) Core 2.0 Program**

**Cambridge, MA, April 13, 2022** - MAK Technologies (MAK), a company of ST Engineering North America, today announced that the [MAK ONE suite of products](#) has been selected to provide the common simulation software system for the Australian Army's Land Systems (LS) Core 2.0 Program.

MAK teamed with Australian company Applied Virtual Simulation (AVS) to offer a solution for LS Core 2.0 that maximizes Australian content while delivering a suite of mature COTS products.



LS Core 2.0 will deploy a scalable and persistent Land Simulation System that can be accessed on demand and at the point of need to meet the Australian Army's future training requirements. By delivering a suite of Common Simulation Software (CSS), users can achieve improved data warehouse functions; interoperability with Land Command and C3ISREW (Command, Control, Intelligence, Surveillance, Reconnaissance, Communications & Electronic Warfare) systems; and an expanded Land Simulation Network (LSN) for domestic and coalition training.

The CSS comprises three packages: Common Virtual Simulation, Common Constructive Tool Set, and Common Image Generator. The MAK ONE suite of products meets the requirements of these three packages; utilizing [VR-Forces](#) for the computer generated forces application and constructive simulation; [VR-Engage](#) for the virtual simulation; and [VR-Vantage](#) for the Image Generator. MAK ONE will also support all simulation fidelity levels including high and medium fidelity simulators, desktop trainers, and part task trainers.

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With a common set of simulation modules used across all future Australian Army training systems, interoperability can be facilitated from training commanders and their staff at the brigade down to company level, training crew members of armored vehicles, to training individual war fighters to perform their specific roles. The MAK ONE modules include open, standards-based terrain, simulation, behavior and rendering engines.

This software, managed and deployed by AVS, will be a core component of the Persistent Land Simulation System (PLSS), and all simulators and trainers that will be part of PLSS. It will be fully compliant with the Australian Generic Simulation Architecture (GSimA).

“We’ve made a commitment to the Australian Defence Force to help grow the modeling and simulation industry in Australia,” said Bill Cole, CEO & President of MAK Technologies. “We are honored to partner with AVS to meet the Australian Army’s constructive and virtual training needs and enhance its current Land Simulation capabilities with our modular suite of simulation and training software.”

“AVS selected MAK ONE as the cornerstone of our solution for Land Simulation Core 2.0. The MAK ONE software suite provides the most comprehensive suite of simulation software and interoperability tools, which will enable the Australian Army to achieve networked and distributed training effects to an extent not previously possible,” said Martin Carr, Director and founder of AVS. “The AVS’ Newcastle-based engineering team will be working with MAK Technologies to develop the software suite to meet the needs of the Army, including the development of high-fidelity, geo-specific terrain databases of Army training areas, 3D content, and doctrinal behaviors.”

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**ST Engineering North America** is the U.S. headquarters of ST Engineering, a global technology, defense and engineering group with a diverse portfolio of businesses across the aerospace, smart city, defense and public security segments. Based in Alexandria, VA, it has major operations across 16 cities in 12 states and employs about 5,000 people providing innovative products and solutions to commercial and government customers across diverse market segments.

**MAK Technologies** develops software for live, virtual, and constructive simulation. Built upon a strong foundation of COTS products, MAK delivers simulation, gaming, and networking technology in a flexible platform to meet the requirements of training system integrators, experimentation labs, and end users. Our primary users are in the aerospace and defense industries, yet our products and services can help customers anywhere modeling and simulation is needed to train, plan, analyze, experiment, prototype, and demonstrate. MAK is dedicated to serving our customers by building capable products, offering superior technical support, and innovating new ways to build, populate and view interoperable 3D simulated worlds. MAK continues to take advantage of new technologies that further the state of simulation. Our products help users link, simulate and visualize their world. MAK Technologies is a company of ST Engineering North America. Please visit <http://www.mak.com> for more information.

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