



## **AVNTK ISR Receives Initial Order from U.S. Department of Defense for Semantic Tagger**

### **Semantic Taggers Support the Extraction of Knowledge from Free Text, Giving Warfighters More Timely and Reliable Intelligence Assessments**

AUSTIN, TX., May 27 – AVNTK ISR, the American Intelligence/Surveillance/Reconnaissance arm of the international venture technology and information technology company, has today received an initial order for an undisclosed sum from the U.S. Department of Defense for a SIMPLISH-based semantic tagger. This is the first stage of a three-stage R&D effort, whose overall value the company estimates at \$0.5 Million Dollars over the next year. This is the first contract obtained by the Austin office, with the support of the [TechBA](#) accelerator programme, after only 3 months being open for business.

The long-established SIMPLISH translating tool ([www.simplish.org](http://www.simplish.org)) is used to convert standard English into a reduced-vocabulary version using only 1,000 words. An important step in that process is that of ambiguity-removal for which text is semantically tagged and analyzed. This module will be adapted under this contract to help in activities relating to automatic knowledge-extraction from free text. "The semantic tagging technology we have developed as part of our efforts to develop a general cognition system over the last 20 years can significantly help text analysis at the moment, while our broader cognition system developments will undoubtedly be of enormous help with future needs for reliable and and timely mission-relevant information analysis and decision-making process," said Dr. Marcelo Funes-Gallanzi, president, Department of Defense business, AVNTK ISR.

The artificial intelligence group at AVNTK is currently working on a research programme directed at building a human-level system capable of improving upon itself. A number of barriers have been overcome such as natural language interaction, memory through a module capable of knowledge acquisition/storage/retrieval, combining data-driven and contextual information in problem solving, etc. AVNTK ISR is also offering to the DoD a unique product capable of deriving 3D information from full-motion video (FMV), thus extending the capability to obtain a 3D situational awareness capability even from the smallest tactical unmanned aerial vehicle (UAV), rather than the larger craft capable of transporting LIDAR or SAR systems. This system is also being offered to the commercial market for applications such as video games and civil engineering.

## **About AVNTK S.C.**

AVNTK is a venture technology firm active in Europe and the Americas that specializes in science and technology R&D primarily for the aerospace, defense, IT and electronics industries. We also collaborate with early-stage and emerging growth companies. Finally, a substantial proportion of our work is derived from in-house projects. Headquartered in Guadalajara, Mexico, the company has extensive experience in applied science, where the R&D arm currently undertakes projects ranging from mathematical 3D pattern/defect recognition for Flextronics to environmental monitoring of a Mexican mangrove region, using AVNTK-built micro unmanned aerial vehicles. Additional information about AVNTK S.C. is available at [www.avntk.com](http://www.avntk.com).

## **Forward-Looking Statements**

This press release contains forward-looking statements that reflect management's current expectations, assumptions and estimates of future performance and economic conditions. Such statements are made in reliance upon the safe harbor provisions of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. The company cautions investors that any forward-looking statements are subject to risks and uncertainties that may cause actual results and future trends to differ materially from those matters expressed in or implied by such forward-looking statements. Statements about the expected value of the program to AVNTK are forward-looking and involve risks and uncertainties. AVNTK disclaims any intention or obligation to update or revise any forward-looking statements, whether as a result of new information, future events, or otherwise.

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