



# ***Media Release***

## **SigNav's Grant Success Revolutionises Seismic Industry**

### **Boldly going where GPS hasn't gone before**

**Sydney, Australia, 21<sup>st</sup> November 2007**

SigNav today announced it has successfully obtained substantial export orders for its first product developed under a \$3.05 million AusIndustry Start Grant awarded in 2005.

"We have already shipped 10,000 of our new TM1 GPS Precision Timing Receivers to a French, multinational, geophysics company for use in the oil industry", said John Riedl SigNav's Chairman and CEO. "This product is being used to revolutionise the way seismic surveys are being conducted, dramatically reducing costs whilst increasing efficiency."

Industry Minister, Ian Macfarlane congratulated SigNav on the success of its TM1 GPS Precision Timing Receivers. "This is indeed a success story. A Canberra company with the support of an innovation grant from the Australian Government taking its product to the international stage," Mr Macfarlane said. "It is what research and development is all about. The idea, the support, and finally, commercialisation of a product that is taking seismic survey to another level and again demonstrating that Australian innovators can match it with the best in the world."

Conventional seismic surveys involve the deployment of vast, cable-based arrays of geophones covering areas of many square kilometers. These are spread over often inhospitable terrain, such as in jungles and forests, on mountain sides and in land to water transition zones.

During a survey seismic shocks or explosions detected at each geophone are converted to electrical signals and transported across a combination of cable and radio transmission systems to a centralised location for time stamping and logging in real time for further analysis. Precision timing is essential to produce an accurate reflected sonar picture of the underlying oil bearing strata.

Commissioning a survey system is significantly labour intensive. It involves the precise positioning and recording of each geophone's location and the installation of long cable runs, which can be limited by the physical terrain. Decommissioning is similarly arduous, collecting the deployed units and cabling.

SigNav's TM1 provides event time stamping with nanosecond accuracy for a next generation, cable-free system revolutionising common work practice. Each geophone now operates independently. GPS provides precise positioning and time stamping of seismic activity which is then logged locally within the unit. This log can be uploaded for analysis at the end of the survey or transmitted in real time over the radio system. Surveys can now be conducted in a fraction of the time.

"SigNav's unique timing technology was selected as the basis for this next generation system due to its unparalleled ability to operate in environments previously considered hostile for GPS – exactly where seismic surveys are conducted", said John Riedl, " This is yet another example of Australia leading by innovation made possible through government support".

#### **About SigNav**

SigNav is leading vendor of Global Positioning Systems (GPS) solutions including its unique subATTO™ technology, which is the cornerstone upon which the company's offerings are built. SigNav supplies GPS chipsets, modules and custom developed products to a global customer base. The company has offices in Canberra and Sydney, Australia and Orange County, California, USA.

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