

## SUCCESSFUL SEA TRIALS SIGNAL NEXT GENERATION OF CONTAINER TRACKING TECHNOLOGY

**Vantaa, Finland, 14 May 2007** – Successful trials of the latest satellite-based container tracking technology, SECURED by CargoTrax®, were announced today. Black boxes, installed onto a ThermoKing Reefer, were interrogated several thousand times during the trials, with a high success rate. The trials, conducted in the South China Seas during March 2007, were verified by the STET Maritime Bureau (STET-MB) using a security monitoring platform.

SECURED by CargoTrax®, developed jointly by CargoTrax Oy of Finland and TriaGnoSys GmbH of Germany, is based on GSM, GPRS and GPS technology. It allows 24x7 global real-time security monitoring of containers and – of particular importance to refrigerated containers – monitoring of critical conditions that ensure the integrity of containerised cargo that can be worth up to US\$10million per container.

Dr. Markus Werner, Managing Director of TriaGnoSys, confirming the success of the trial, said, "I am pleased to report that all the test messages sent from various monitoring boxes and test SIM cards via the network on-board the Pacific International Lines of Singapore vessel *Kota Gemar* were captured and correctly logged. It was further confirmed that the subsequent forwarding of messages through the ground segment, provided by our partner FirstMobile, worked perfectly, and all information was correctly delivered to the remote monitoring application server."

SECURED by CargoTrax®, available later in 2007, monitors status of the container's cargo and the security of the container using a state-of-the-art, officially compliant RFID container door eSeal. This transmits a 'heart-beat' pulse in regular intervals via satellite to control centres both on the ship and on the ground, which can include the shipping company's headquarters, the ship's home port operator, or government security services. If the seal is compromised in any way, a panic 'alarm' signal is transmitted immediately, as is information about changes in temperature, humidity, vibration, light, and volumetric pressure, as well as levels of oxygen, carbon monoxide and carbon dioxide.

Stephen Lowe, CEO of CargoTrax, said, "CargoTrax will enhance the safety and security of the cargo, which in turn means reduced marine insurance premiums. Furthermore, the total end-to-end visibility of the security of the container means that port and security officials will be able to process the shipments more quickly, providing significant time savings."

SECURED by CargoTrax®, combines military-grade precision with existing standards-based technology, providing the accuracy required by shippers and government security services, while adding less than 2% to the cost of container rental, when the insurance premium discounts are taken into consideration.

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Photographs are available at [www.cargotrax.net](http://www.cargotrax.net).

**About CargoTrax**

CargoTrax Ltd, a company based in Finland (name changed from MobinTeleCom Oy) offers SECURED by CargoTrax®, a state-of-the-art, comprehensive Globally operational End-2-End Real Time Live Tracking, Anywhere-Anytime, turnkey Supply Chain Logistics & Security Monitoring Intermodal Container Security giving 24x7 transparency.

The SECURED by CargoTrax® Solution may meet the exacting demands of the EurepGAP Protocol to ensure the food chain logistics to safeguard the EU consumer from potential hazards.

SECURED by CargoTrax® may contribute to demands of the Long Range Identification and Tracking (LRIT), an IMO initiative. The Maritime Safety Committee (MSC) at its 81st session in May 2006 adopted new regulations for the LRIT together with associated performance standards and functional requirements.

The new regulation on LRIT is included in SOLAS chapter V on Safety of Navigation, through which LRIT will be introduced as a mandatory requirement for the following ships on international voyages: passenger ships, including high-speed craft; cargo ships, including high-speed craft, of 300 gross tonnage and upwards; and mobile offshore drilling units.

The hardware solutions consist of the a GPRS-SMS Gateway Platform commercialised by TriaGnoSys GmbH of Wessling, and the Triband/Quadband GSM-GPRS-GPS-RFID-WiFi Telematics equipment with Volumetric Sensors, combined with a high security Active Intelligent RFID Door Seal exclusively developed by CargoTrax Ltd of Helsinki. The nominal costs of which may be off-set by potential insurance discount considerations and giving a peace-of-mind to the shipper/consignee of a high-value, easily disposable/perishable, sensitive cargo.

Further information can be found at [www.cargotrax.net](http://www.cargotrax.net)

**About TriaGnoSys**

TriaGnoSys (TGS), headquartered in Oberpfaffenhofen, Germany, a European centre of excellence for satellite communications, is a leading applied research company and a leading provider of solutions for remote air, land and sea communications from anywhere to anywhere, via satellite.

TriaGnoSys researchers focus on a broad range of mobile satellite communication areas in conjunction with leading academic, government and industry researchers to advance the state of the art in such areas as mobile end-to-end solutions, next generation satcom and aircom, and combined navigation/communications applications and technologies. TriaGnoSys approaches every project as an opportunity to go beyond expectations by providing solutions that not only accomplish all objectives but also present new, commercial possibilities.

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TriaGnoSys' Mobility Gateways and Communication Servers (MOGIS) enable system integrators and service providers in both civilian and military applications, to leverage its unique high-speed, two-way transport capabilities and quickly deploy reliable GSM, UMTS, WLAN, Satellite and RFID-based services anywhere in the world.

Further information can be found at [www.triagnosys.com](http://www.triagnosys.com)