

Eurocontrol Sub Xenemetrix Introduces New Marine Technology

- Petro-Marine XRF System Monitors Fuels and Oil for Marine Vessels -

Toronto, CANADA, February 13, 2013 - Eurocontrol Technics Group Inc. (TSX Venture: EUO) ("Eurocontrol" or the "Company"), a Canadian public technology company specializing in the acquisition, development and commercialization of innovative authentication, verification, certification and energy security technologies, is pleased to announce, through its wholly owned subsidiary Xenemetrix, the introduction of its new Petro-Marine XRF system, a monitoring system for marine vessels. New legislation requires the use of low sulphur fuels in environmentally sensitive areas. Petro-Marine XRF is an onboard X-Ray Fluorescence analysis system for detecting sulfur in diesel fuel to provide compliance with new international regulations for sulfur oxides in diesel fuel.

The IMO (International Maritime Organization - www.imo.org) continuously sets new standards in order to minimize and control the harmful polluting exhausts from vessel engines. IMO is the world's largest maritime organization with over 170 member states and acts as a regulatory agency for the international maritime industry. The monitoring and control of sulfur oxides under the MARPOL Annex VI convention is divided between inside ECA (Emission Control Areas) and outside ECA. These regulations are enforced both globally and locally by each country and failure to comply can lead to heavy penalties.

In addition to the ability to measure sulfur oxides in diesel fuel, the Petro-Marine XRF system is designed to also monitor:

- **Wear metals in oils** - The concentrations of wear metals in engine lubricating oil can be directly related to the engine components and can indicate component wear. An engine maintenance program using the Petro-Marine XRF system routinely measures concentrations of wear metals in oils in order to avoid unexpected engine failure and ensure a high degree of safety. In addition, monitoring the content of calcium, zinc and phosphorus reveals information pertaining to a diluted additive or improper choice of oil during engine maintenance.
- **Cat Fines in fuel** - Cat fines are compounds of silicon and aluminum which are required as catalysts in the refining process, however these particles can cause severe cylinder wall damage when present in large concentrations and can cause engine failure. The Petro-Marine XRF system allows ship owners to confirm the presence and magnitude of Cat Fines in the fuel within seconds during the fuel purchase process thereby avoiding potential engine failure.
- **Sea water contamination** - Sea water contamination in marine fuels is detected through analyzing the content of sodium, chlorine, magnesium and potassium.
- **Fraudulent mixing of bunker fuels** - Routine analysis can detect fraudulent mixing of used lubrication oil in bunker fuels.

The Petro-Marine XRF system is equipped with GPRS/WiFi/Satellite Data Transfer and GPS which provides the ability to immediately upload location-based data to the shipping company for reporting and monitoring. The target market for the Petro-Marine XRF system is merchant ships of which there are approximately 55,000 currently in service worldwide. This figure includes bulk carriers, dry cargo vessels, multi-purpose vessels, container vessels, tankers, liquid petroleum gas, liquid natural gas and most cruise ships. The Company estimates an available market of approximately US\$1.6 billion.

About Eurocontrol Technics Group Inc.

Eurocontrol through its three wholly owned subsidiaries, Global Fluids International S.A. ("GFI"), Xenemetrix Inc. ("Xenemetrix") and XwinSys Ltd. ("XwinSys"), is a leading provider and innovator of detection and marking systems worldwide. GFI and Xenemetrix are global pioneers in developing and implementing innovative molecular marking systems for the oil industry and XwinSys is currently a development stage company. GFI's unique and proprietary liquid authentication system, Petromark™, is the world's leading solution for fully integrated oil marking, mixing and detection. Xenemetrix is a leading designer, manufacturer and marketer of Energy-Dispersive X-Ray Fluorescence ("EDXRF") systems, a technology that is the most accurate and

economic method for determining the composition of many types of materials, including the analysis of petroleum oils and fuel. XwinSys is currently developing a combination of 2D and 3D image processing technology from Brossh Inspection Systems Ltd. of Israel with Xenometrix's EDXRF technology for application in the semi-conductor manufacturing process.

For more information on Eurocontrol, please visit the Company's website at www.eurocontrol.ca or contact:

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