



Global Invacom Partners With Avanti Communications In Demonstration Of Satellite Broadcast TV Over IP Networks With Content Encryption

Global Invacom, Avanti Communications, Microsoft Corporation & European Space Agency (ESA) showcase demo at IBC 2015 in Amsterdam (Visit Hall 4, Stand 4.C88)

London, 07 September 2015 - A consortium made up of global satellite communications equipment specialist **Global Invacom Group Limited (Global Invacom)** and leading satellite operator **Avanti Communications**, with the support of Microsoft Corporation and the European Space Agency (ESA) under the Advanced Research in Telecommunications Systems (ARTES) Programme, are presenting an innovative end-to-end solution at IBC 2015. It integrates satellite broadcast TV and broadband, which can deliver to a home environment ubiquitously over standard IP enabled networks, such as Ethernet or WiFi.

The home platform, via usage of the SAT>IP protocol, enables the end user to enjoy up to eight live streaming channels and satellite multicast Push Video-on-Demand (VoD) services with the option of integrating multiple satellite sources. The content can be clear or encrypted, with the satellite broadband providing a reliable connection for content playback authorization and interactivity to complete the user experience.

A key focus of the project is to enhance current satellite broadcast TV over IP technologies, by providing content protection and access to encrypted and Free-to-Air satellite TV platforms. This is done by using Microsoft's *PlayReady as Digital Rights Management (DRM)* solution, allowing decryption at application level and securing the content inside the home network.

Dr. Dietmar Schmitt, Head of Technologies and Products Division in Telecommunications and Integrated Applications Directorate at ESA said: "We are pleased to see the exciting outcome of this project that we have supported through our ARTES Programme and the positive impact expected on the satellite broadcasting industry." **Dr. Nader Alagha, the technical lead of the project at ESA added:** "This project has successfully demonstrated several innovative features complementing conventional satellite broadcasting services."

Mr. Tony Taylor, Executive Chairman of Global Invacom, agreed and commented: "This is a breakthrough technology which underscores our position as a leading research and development innovator in the satellite communications industry."

Graham Peters, Director at Avanti Communications and Avanti Applied Technologies (ApTec), said: "The project showcases some of the innovations possible when you embed and integrate Ka-band satellite technology within broadcast TV services. It has exciting application for both sectors."

Deanna Garcia, Senior Manager of Microsoft PlayReady added: "We are delighted to work with Global Invacom, Avanti and ESA on this project as it is pushing the boundaries of broadcast TV



further and is demonstrating how software-based end-to-end encryption can perform via satellite.”

The access to media and broadcast content will be possible via apps on mobile devices, smart TV and other connected devices in the home. In addition, the platform provides the possibility of safe storage for VoD content with the addition of a standard USB hard drive. This service can provide more flexibility than a set-top box (STB) approach for media consumption and allows connected devices to share all available resources in the home environment.

To assure broadcasters protect their revenues and the security of content owner assets, the encryption follows the guidelines provided by Microsoft PlayReady, a leader in content protection technology.

The companies are exhibiting a first showcase demonstration of the system on the joint Global Invacom and Skyware Global stand at IBC, International Broadcasting Convention in Amsterdam RAI from the 11th to the 15th of September, in hall 4 on stand 4.C88.

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Notes to Editor

About Global Invacom Group Limited

Global Invacom Group Limited (“Global Invacom”) is listed on the Singapore Exchange Securities Trading Limited Mainboard (“SGX-ST”) and its shares are admitted to trading on the AIM Market of the London Stock Exchange in the UK.

Global Invacom is a fully integrated satellite equipment provider with seven manufacturing plants across China, Israel, Malaysia, UK and the USA. Its customers include satellite broadcasters such as BSkyB of the UK and Dish Network of the USA.

On 25 August 2015, Global Invacom completed the acquisition of Skyware Global, a leading US-based designer and supplier of satellite antenna products and services for C-band, Ku-band and Ka-band frequency platforms, positioning itself as the world's only full-service outdoor unit supplier.

Global Invacom provides a full range of dish antennas, LNB receivers, transmitters, switches and video distribution components and electronics manufacturing services in satellite communications as well as manufacturing services in TV peripherals, computer peripherals, medical, and consumer electronics industries.

For more information please visit: www.globalinvacom.com

About Avanti Communications

Avanti connects people wherever they are - in their homes, businesses, in government and on mobiles. Through the HYLAS satellite fleet and more than 150 partners in 118 countries, the network provides ubiquitous internet service to 27 per cent of the world's population. Avanti delivers the level of quality and flexibility that the most demanding telecoms customers in the world seek.



Avanti is the first mover in high throughput satellite data communications in EMEA. It has rights to orbital slots and Ka-band spectrum that cover an end market of over 1.5bn people. The Group has invested \$1.2bn in a network that incorporates satellites, ground stations, datacentres and a fibre ring. Avanti has a unique Cloud based flexible customer interface that is protected by patented technology.

The Group has three satellites in orbit and a further two fully funded satellites under construction. Avanti Communications is listed in London on AIM (AVN:LSE).

For more information please visit: www.avantiplc.com

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