

## Press release

### **SES Launches Rapid Response Vehicle for Defence, Security and Humanitarian Missions**

New addition to SES's government services portfolio is world's first SATCOM-enabled solution to provide multi-orbit connectivity tailored to border security, ISR (Intelligence Surveillance and Reconnaissance), aid and disaster recovery initiatives

LUXEMBOURG, 20 April 2017 - SES (Euronext Paris and Luxembourg Stock Exchange: SESG) announced its new government product Rapid Response Vehicle (RRV), a SATCOM-enabled platform capable of providing high-speed connectivity and global communications services tailored to a broad range of commercial, civil, humanitarian and defence missions around the world.

The Rapid Response Vehicle is the world's first mobile platform to offer collaborative communications technologies over multiple orbits and frequencies, including Ku-, Ka- and Military X- and Ka-bands, across SES's GEO fleet and fibre-like Ka-band delivered over its MEO constellation. The versatile RRV can easily adapt with connectivity customised for specific scenarios and applications such as high-definition video conferencing, streaming, voice, GSM backhaul, high-speed broadband, and large data file transfers in locations where infrastructure is non-existent or destroyed. The RRV was recently showcased at the [Humanitarian ICT Forum held in March in Mountain View, California](#).

"The Rapid Response Vehicle can provide multi-band, multi-orbit connectivity to support virtually any situation imaginable, anywhere. This includes missions related to border security, defence, peacekeeping, support for humanitarian operations and response to natural disasters, as well as commercial applications," said Nicole Robinson, Corporate Vice President, Government Market Solutions at SES. "We are very proud to be at the forefront of technological advancements in rapid connectivity solutions, and are looking forward to continuing to deliver truly tailored offerings to our customers."

The RRV solution is 'plug-and-play' and boasts modular features that can integrate and deploy a wide range of communication technologies and devices aboard a mobile vehicle. One example is SES's Tactical Persistent Surveillance (TPS) ISR solution, based on Lighter-Than-Air (LTA) inflatable aerostat technology hosting advanced electro-optical (EO) sensor and communications payload options, which is designed to provide situational awareness for border and operations security, event monitoring and disaster response initiatives.

The RRV can also quickly launch a number of other platforms, including the SATMED telemedicine service. Other types of activities enabled by the RRV are 'respond and recover' missions to support disaster relief efforts, providing emergency wireless internet access for communities, reinforcing downed public infrastructure, providing IP backhaul for mobile networks and enabling long-term connectivity for agencies on the ground.



beyond frontiers

The RRV is equipped with wireless capabilities, including MIMO (Multiple Input Multiple Output) SDR radio technology, which provides an expansive mesh type, frequency programmable, mobile communications platform to support private 3G / 4G LTE networks and government push to talk (“PTT”) frequencies.

SES’s Rapid Response Vehicle is available through a variety of purchase and lease options supported with fully-managed service agreements, allowing procurement flexibility.

For additional information about the Rapid Response Vehicle and other solutions, please visit the [Newsroom](#).

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SES is the world-leading satellite operator and the first to deliver a differentiated and scalable GEO-MEO offering worldwide, with more than 50 satellites in Geostationary Earth Orbit (GEO) and 12 in Medium Earth Orbit (MEO). SES focuses on value-added, end-to-end solutions in two key business units; SES Video and SES Networks. The company provides satellite communications services to broadcasters, content and internet service providers, mobile and fixed network operators, governments and institutions. SES’s portfolio includes the ASTRA satellite system, which has the largest Direct-to-Home (DTH) television reach in Europe, O3b Networks, a global managed data communications service provider, and MX1, a leading media service provider that offers a full suite of innovative digital video and media services. Further information available at: [www.ses.com](http://www.ses.com)