

## Global-IP Selects Hughes JUPITER System to Bring High-Performance Broadband to Sub-Saharan Africa

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GERMANTOWN, Md., May 23, 2017 /PRNewswire/ -- [Hughes Network Systems, LLC](#) (HUGHES), the global leader in broadband satellite solutions and services, today announced that its JUPITER™ System has been selected by Global-IP Cayman as the technology platform to enable its mission of bringing high-performance connectivity to mobile devices used throughout the Sub-Saharan Africa region. The JUPITER System will be used to provision 100 percent of the capacity on Global-IP's GiSat-1 150 Gbps high-throughput satellite (HTS).



Hughes will supply 11 gateway stations in Europe using a centralized architecture for routing traffic in and out of the Internet, as well as its powerful HT2500 and HT2600 terminals, including Wi-Fi access. The JUPITER System is the first VSAT (very small aperture terminal) platform to support the DVB-S2X standard, widely recognized as the most bandwidth-efficient in the marketplace, yielding strong operating economics for Global-IP.

"The JUPITER System from Hughes provides us with a bandwidth-efficient technology that is field proven in Ka-band and adaptable to our unique architecture to support Global-IP's mission of bringing connectivity to over 800 million people in Sub-Saharan Africa," said Emil Youssefzadeh, founder and chief technology officer of Global-IP. "Our state-of-the-art GiSat-1 satellite designed with a digital payload uniquely matching our CloudCORE™ platform, coupled with the JUPITER System, will enable our customers to provide smart phone users with affordable services, from broadband Internet, to video, and more."

Beyond supporting high-quality Internet access, the HT2500 and HT2600 terminals are designed with LTE acceleration technology to meet the demanding requirements of mobile network operators, and making it economical for data delivery anywhere.

"Hughes is proud to have been selected as Global-IP's technology partner in its important mission of bringing broadband connectivity to Sub-Saharan Africa," said Ramesh Ramaswamy, senior vice president and general manager of Hughes International Division. "The fact that our JUPITER System will provision 100 percent of GiSat-1's satellite capacity from day one is a testament to their confidence in Hughes and further builds on our leadership in powering HTS deployments around the world."

The JUPITER System is the world's most widely deployed platform by HTS operators, featuring a flexible and robust gateway architecture with lights-out operation, enhanced IPoS air interface for bandwidth efficiency and performance, and high-throughput terminals. JUPITER enables operators to achieve the highest possible capacity and efficiency for any satellite broadband implementation. The foundational technology is the powerful JUPITER SOC, a custom-designed VLSI (Very Large Scale Integration) processor employing a multi-core architecture and enabling 200 Mbps of throughput on every terminal in the JUPITER family.

### About Global-IP

Global-IP is incorporated in the Cayman Islands, with operations in California and Dubai. The company's vision is to revolutionize the way the Internet is accessed and used in Africa. For more information, please visit [www.gqglobalip.com](http://www.gqglobalip.com).

### About Hughes Network Systems

Hughes Network Systems, LLC (HUGHES) is the global leader in broadband satellite technology and services for home and office. Its flagship high-speed satellite Internet service is HughesNet®, the world's largest satellite network with over 1 million residential and business customers across North America and Brazil. For large enterprises and governments, the company's HughesON® managed network services provide complete connectivity solutions employing an optimized mix of satellite and terrestrial technologies. The JUPITER™ System is the world's most widely deployed High-Throughput Satellite (HTS) platform, operating on more than 20 satellites by leading service providers, delivering a wide range of broadband enterprise, mobility and cellular backhaul applications. To date, Hughes has shipped more than 5.5 million terminals to customers in over 100 countries, representing over 50 percent market share, and its technology is powering broadband services to aircraft around the world.

Headquartered outside Washington, D.C., in Germantown, Maryland, USA, Hughes operates sales and support offices worldwide, and is a wholly owned subsidiary of EchoStar Corporation (NASDAQ: SATS), a premier global provider of satellite operations. For additional information about Hughes, please visit [www.hughes.com](http://www.hughes.com) and follow [@Hughes\\_Corp](#) on Twitter.

### About EchoStar

EchoStar Corporation (NASDAQ: SATS) is a premier global provider of satellite communication solutions. Headquartered in Englewood, Colo., and conducting business around the globe, EchoStar is a pioneer in secure communications technologies through its Hughes Network Systems and EchoStar Satellite Services business segments. For more information, visit [echostar.com](http://echostar.com). Follow [@EchoStar](#) on Twitter.

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