

Fastest Satellite Broadband Service for Businesses – with Ku-band Reliability

When dealing with mission-critical operations – such as healthcare – reliable and consistent connectivity is vital, particularly in the event of terrestrial service going down. To ensure automatic backup, X2nSat has chosen Newtec to help power its ST4G™ network, a primary business continuity platform for multiple industries. InterComms talked to X2nSat's CEO Garrett Hill to find out more.

Q: Could you tell us a little bit more about the ST4G broadband service and why it is so vital?

A: ST4G delivers the high speeds and reliability of Ku-band across North America. The broadband solution serves as the

primary business continuity platform for multiple industries we serve, from businesses utilizing machine-to-machine and Supervisory Control and Data Acquisition (SCADA) networks to mission-critical healthcare systems.



The new X2nSat broadband ST4G™ network solution can be used for multiple industries, including SCADA networks, for electric and gas utility companies, in state parks, for solar and wind renewable energy companies, and more.



X2nSat CEO Garrett Hill at X2nSat headquarters in Petaluma, California.

- ▶ For example, when hospitals on the X2nSat broadband platform lose terrestrial connectivity, their voice and data systems are automatically restored over satellite. This satellite connectivity is crucial due to new patient healthcare regulations, the increasing role of successful digital data transmissions in quality patient care and the fact that hospitals are initiating more than 200 simultaneous phone calls at any given time.

Q: Satellite is a tried and tested method of providing backup. What is it that makes this service unique?

A: By combining the high-powered Ku-band capacity aboard the SES-2 spacecraft with breakthrough ground segment solutions provided by Newtec, X2nSat is now offering the fastest satellite-delivered broadband service for businesses in North America – even when compared to the latest consumer Ka-band offerings – and all with the higher reliability of Ku-band. X2nSat’s ST4G network is specifically designed and built for businesses, providing them with the network experience they expect.

Q: How are these capabilities being achieved? You mentioned Newtec’s breakthrough ground segment solution, in particular. Can you tell us more about that?

A: As a specialist in designing, developing and manufacturing equipment and technologies for satellite communications, Newtec is providing the ground infrastructure in the form of its broadband platform, including hubs and terminals. This provides an extremely flexible and efficient solution, as the platform allows us to add to it as the service grows.
X2nSat’s ST4G network is powered by the SES-2 spacecraft. This delivers speeds of 15 megabits per second.

SES has also just doubled the Ku-band capacity of the satellite in order to enable our service.

Q: Can you give some examples of the types of businesses that are already using the service and any situations where it has already proved its worth?

A: We’ve already had great success providing this service to a wide variety of businesses, including electric and gas utility companies, state parks, solar and wind renewable energy companies, and more. For example, we are currently rolling out several hundred sites for one of our rural telephone companies, Big Bend Telephone Company (BBTC), in the southwest region of the U.S. BBTC currently serves 16 different areas with high-quality voice and broadband, and continues to expand its services.

Q: How do you see this area developing in the future and how will X2nSat take the lead?

A: SES continues to invest in the development of the world’s leading satellite fleet and technologies and will continue to work with providers like us to ensure cutting-edge solutions, which help connect virtually any application imaginable at the speed of business.

Combined with technology advancements from innovative vendors such as Newtec, we plan to usher in even faster speeds with the aim of staying ahead of the connectivity demands of business to best serve next generation data requirements.

For more information please visit:

www.newtec.eu
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