

## NEWTEC DIALOG® AND SATSOL HEIGHTEN EFFICIENCY AND USER EXPERIENCE FOR SOLOMON ISLANDS SATELLITE CUSTOMERS



*SATSOL's Teleport, Honiara. Credit Richard Majchrzak*

**SINT-NIKLAAS, Belgium and HONIARA, SOLOMON ISLANDS, 18<sup>TH</sup> JANUARY 2019** – [Newtec](#), a specialist in the design, development and manufacture of equipment for satellite communications, has provided a [Newtec Dialog®](#) hub system to [SATSOL](#), a teleport and Internet Service Provider (ISP) on the Solomon Islands.

The Newtec Dialog platform will deliver IP connectivity for the Solomon Islands government, with a single hop service from remote islands to the capital, Honiara. SATSOL is currently rolling out the remote sites, initially in ten provincial hub locations. The education system will also benefit as the improved provincial network will be extended to secondary schools.

As one of Solomon Islands' three Internet Service Providers (ISPs), SATSOL currently provides approximately 20% of the country's Internet bandwidth. The company owns and operates the highest teleport in Guadalcanal, overlooking the capital city of Honiara, and has built the largest wireless ISP (WISP) network in the country.

*"SATSOL is a locally owned company and we know just how important it is to stay connected to the rest of the world and the impact that this can have on quality of life and the economy," said **Antony Ferris, CEO at SATSOL**. "The installation of Newtec Dialog has enabled us to replace a double hop link with just a single hop. Newtec's Mx-DMA® technology has enabled us to optimize our bandwidth usage and to transform the overall user experience in a cost-effective way."*

The Solomon Islands comprises six major islands and more than 900 smaller islands in Oceania. This can present challenges in the provision of Internet connectivity as terrestrial technologies cannot reach remote islands and are cost-prohibitive to install. The government has acknowledged the need to improve Internet and overall ICT provision to the population of the Islands. Its National Development Strategy, which covers a twenty year period from 2016 to 2035, places great emphasis on the ways in which Internet access can contribute to socio-economic development.

*"As SATSOL looks to increase Internet penetration across the country, the Newtec Dialog platform can ensure efficient use of bandwidth, cost-effectiveness and scalability, so that the number of remote sites can expand as required," said **Richard Walshe, Newtec Regional Sales***

**Director for the Pacific.** *“We look forward to helping facilitate the spread of Internet connectivity across the Solomon Islands in order to enable the government to meet its development goals.”*

The system was supplied by Newtec’s certified business partner Lumina Broadcast Systems. **Peter Warren, MD of Lumina,** said: *“We were very pleased that SATSOL chose Newtec Dialog. The Newtec team did a great job and had the system installed, configured and on-air in a few days.”*

Newtec Mx-DMA is the return technology utilized by Newtec Dialog. This incorporates the best features of MF-TDMA and SCPC technologies and, at the same time, solves the difficult decision of selecting one or the other. Mx-DMA automatically adjusts the frequency plan, symbol rate, modulation, coding and power in real-time for every terminal in the satellite network according to the bandwidth demands and varying link conditions, such as rain fade.

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## Your Contact

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## About Newtec

Newtec, [www.newtec.eu](http://www.newtec.eu), is specialized in designing, developing and manufacturing equipment and technologies for satellite communications. As a pioneer in the industry, Newtec is dedicated to creating new possibilities for the broadcast, consumer and enterprise VSAT, government, cellular backhaul and trunking and mobility, offshore and maritime markets. Our products and technologies can be applied in a wide range of single and multiservice applications from DTH broadcasting, video contribution and distribution and disaster recovery and backbones for cellular backhauling, to small and medium enterprises, SCADA and oil and gas networks, aircrafts and vessels.

Since 1985, our dedicated team of specialists has set industry standards with the most efficient, scalable and economical technology solutions. New challenges and customer needs offer opportunities to explore new boundaries. This empowers us to work even harder, helping customers to perform their best so that, together, we can make the world a safer, more informed and connected place. As a result, more than 3 billion people watch TV every day thanks to Newtec technology.

Newtec is a European company headquartered in Sint-Niklaas, Belgium. Through additional commercial offices in Dubai (UAE), Singapore, Beijing (China), Sao Paulo (Brazil) and Stamford, CT (USA) as well as an extensive network of over 100 certified partners, Newtec can meet customer’s needs worldwide.

## About SATSOL

SATSOL [www.satsol.tv](http://www.satsol.tv) was first established in 2010 as a Digital Pay TV Company and expanded to become an Internet Service Provider in 2013. As a locally owned company, SATSOL understands the importance of staying connected with the rest of the world and strives to provide quality and affordable Internet and TV that is consistent with international standards.

As one of Solomon Islands three Internet Service Providers, SATSOL currently provides approximately 20% of the country's internet bandwidth. The company owns and operates the highest teleport in Guadalcanal, overlooking the capital city of Honiara, and has built the largest wireless ISP (WISP) network in the country. SATSOL also provides other Information and Communications Technology (ICT) Services including provincial/remote satellite internet connections, IP-telephony, digital security systems, networking support, cloud services, data warehousing, vessel monitoring systems, Wi-Fi hotspots, and tailored corporate communication.

Through its experienced technical and network support team which consists mainly of Solomon Islanders, SATSOL strives to achieve its Vision: "To be the highest quality Internet & TV Service Provider in the Solomon Islands". The company has received multiple awards from the Solomon Islands Chamber of Commerce & Industry including Winner of the Excellence in Emerging Business (2013, 2014), and runner-up for Excellence in Service Delivery (2015).

SATSOL is currently making a significant investment in infrastructure to ensure its network and services will be "fiber ready" when the fiber optic cable arrives in the Solomon Islands at the end of 2019.

### **About Lumina Broadcast Systems**

Lumina Broadcast Systems [www.luminabsa.com.au](http://www.luminabsa.com.au) is Newtec's certified business partner in Australia, specializing in the supply of technology for Television, Radio, Satellite, Defence and Telecommunications.