

Empowering thru' Innovation Connecting Our Future



At this year's CommunicAsia 2016, ST Electronics exhibited an exciting showcase of our newest smart solutions centred on improving ubiquitous connectivity, information availability, enhanced security and experiential service delivery to the people.



Innovative smart solutions were put on show in the areas of Safety and Security, Environment, Edutainment and Global Connectivity which captured much interest from customers, visitors as well as the media at this year's CommunicAsia which was held from 31 May to 3 June at Marina Bay Sands Convention Centre.

MOBILITY

SMART BUS STOP – NEXT-GEN CONNECTED BUS STOP & INTERACTIVE TRAVELLER TERMINAL



Dr Yaacob Ibrahim, Minister for Communications and Information and the Guest-of-Honour, was briefed on ST Electronics' latest smart innovations including the Next-Gen Connected Bus Stop, at CommunicAsia 2016, an event under the Infocomm Media Business Exchange 2016.

The **Next-Gen Connected Bus Stop** leverages smart analytics to provide actionable insights on commuters' travel behaviour for better simulation and planning

by transport operators, thus enhancing the travel experiences of commuters.

It will extend situational awareness to every commuter touch point by providing useful public transport and traffic information, advanced route planning and other value-added services to enhance commuters' travel experience on public transportation. Commuters will also gain access to useful information through mobile apps and passenger displays available at the bus stops.

Through the **Interactive Traveller Terminal** (ITT), commuters can also access other value added services such as ticket purchase, card value top-ups, journey planning and even information on places of interests in the vicinity of the bus stops. Public transport operators can also remotely manage a higher volume of commuter enquiries per operator as commuters can conveniently call for the operator through the phone service available at the ITT.

Thus, commuters will be able to enjoy a commuting experience that is time-efficient, productive and dynamic.

SAFETY AND SECURITY

INTEGRATED SOLUTION FOR CYBER SECURITY



ST Electronics has the deep domain knowledge of advanced electronics and communications systems with comprehensive cyber security solutions to adopt and incorporate cyber defence as fundamental features of our latest four enhanced Cyber Security solutions for communications and industrial systems. They include:

SERIS – Smart Analytics (CyberPrism): CyberPrism enables organisations to collect, analyse, identify, monitor and respond to security threats.

Cyber Security for Industrial Control Systems: This solution helps to protect industrial control systems which include critical infrastructures such as utilities network,



road and railway transportation and systems that are increasingly subjected to more sophisticated cyber attacks.

DigiSAFE Data Diode: A first made-in-Singapore data diode that will be certified under the National IT Evaluation Scheme (NITES), it offers a simple way of protecting sensitive and critical business information, allowing fast and secure one-way data transfer across physically separated networks.

DigiSAFE Secure Communications: A trusted internal communication solution for enterprises where users can communicate and connect securely while on-the-go, anytime and anywhere with instant messaging, multimedia and voice features.

Other solutions in this cluster included the **SERIS – Smart City (IOT) SensSecure**, a smart lock which can

be unlocked and locked via a smart phone and **PinRES** which tracks resources real-time to enable predictive and anticipatory planning and management, facilitating just-in-time activation and allocation.



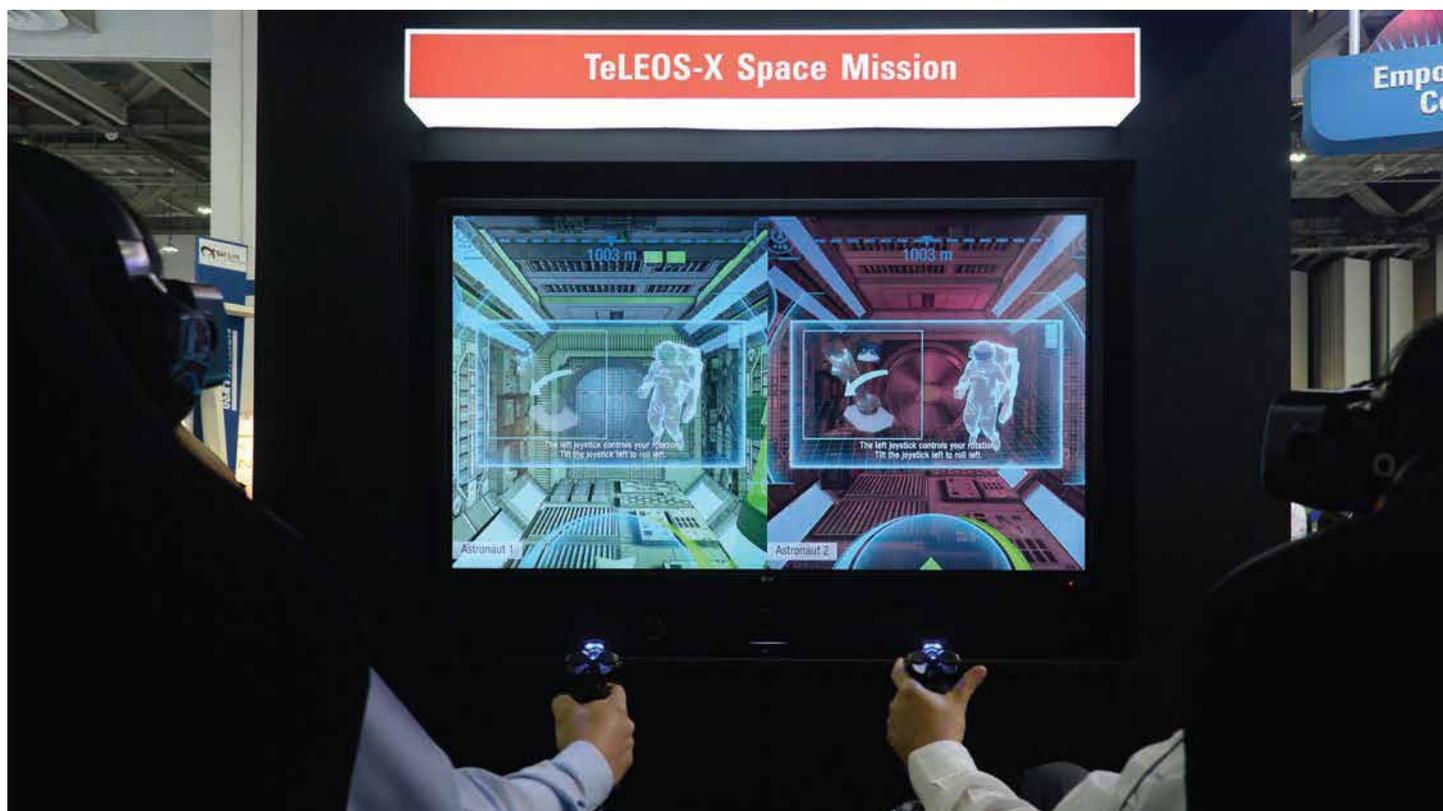
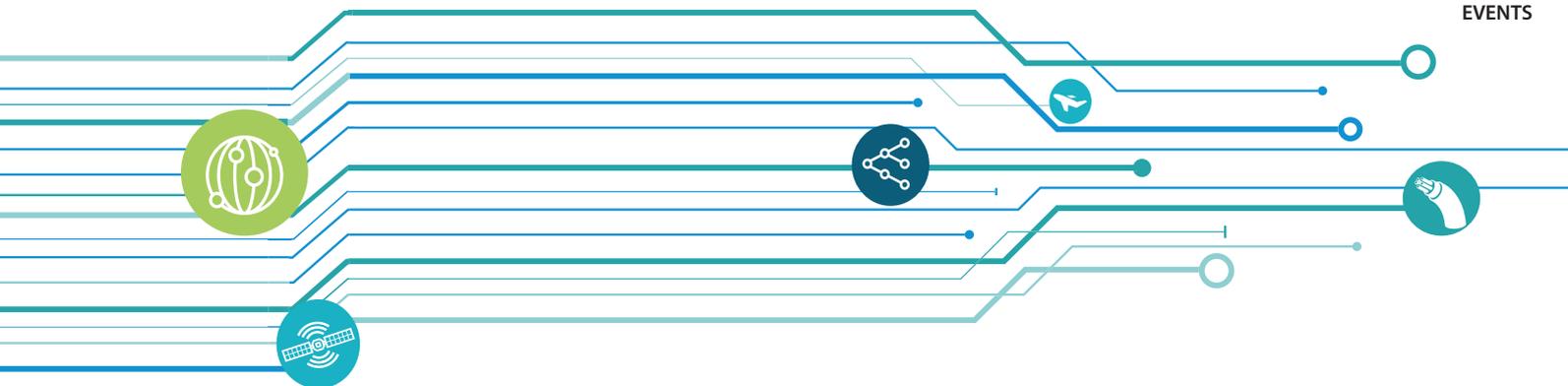
ENVIRONMENT AND EDUTAINMENT

AGILSPACE GEOPORTAL



This is a one-stop e-commerce hub for satellite imagery which will enable customers to place orders for new imagery to be captured or from its archive. This includes a wide selection of imagery captured by TeLEOS-1 and other international imagery partners to deliver multi-source, multi-modal mix of optical and radar satellite imagery.

The AgilSpace GeoPortal makes it easy for customers to place new imagery tasking orders, check the order status, and receive the imagery via FTP download. In addition, a unique feature of AgilSpace GeoPortal is its simulation engine for multi-satellite orbit predictions so that the customers can check for satellite passes over an area of interest, thereby allowing customers to book advanced imagery tasking orders.



Other solutions included **TeLEOS-X Space Mission**, a virtual reality game simulating an astronaut's spacewalk in a Manned Manoeuvring Unit and **AgilLiteS**, a wireless sensor network platform that consists of luminaires with smart sensors and controllers to provide illumination based on demand.

GLOBAL CONNECTIVITY

Everyone is talking about the "connected world" – being connected wherever you are in the world, whenever you want to be connected. The connectivity solutions from Agilis, iDirect and OrisTel Systems were showcased at CommunicAsia.

The Agilis HALE UAV solution was launched at CommunicAsia (refer to Page 12 for details) as one of the newest approaches of connecting globally. In addition, HTS (High Throughput Satellite) solutions were shown to show the impact these new satellites will have on bandwidth and cost of connections.

Optimised solutions for various verticals such as military, maritime and aerospace demonstrated our in-house technical capability and understanding of customers' requirements.

