



# Powering eLearning around the world

Providing remote connectivity solutions that enable eLearning



# Delivering education for all

Bridging the gap between urban and rural education using satellite communications.

Inmarsat's affordable satellite connectivity enables you to open the door to eLearning materials for the whole world. Online access to education gives remote communities in developing nations the opportunity to lift their children out of the cycle of poverty.

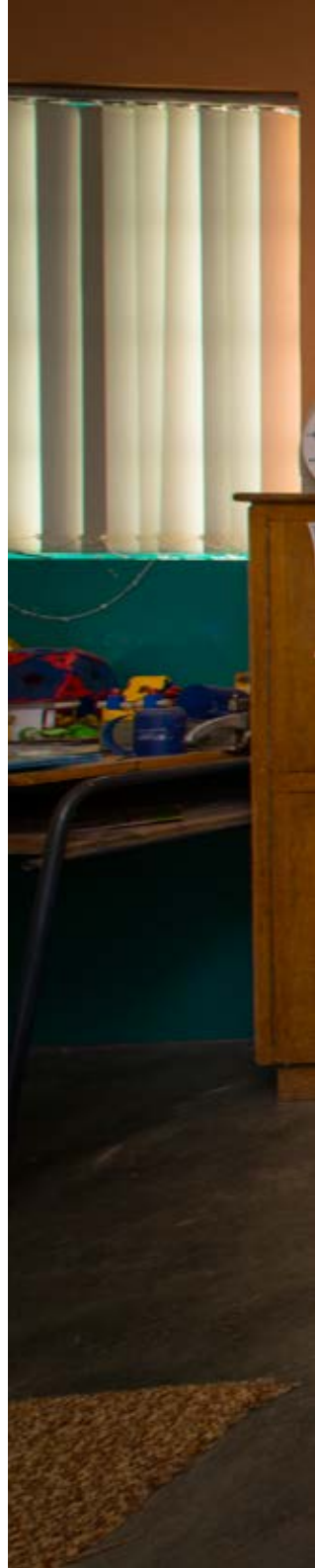
Education is a fundamental human right, and yet a recent joint UNICEF/UNESCO report estimates that some 58 million primary school age children are not enrolled in school, with nearly 30 million of them being in Sub-Saharan Africa.

Righting this wrong is the focus of global efforts, but it is easier to deliver education in urban areas, where teachers most want to work and suitably-equipped classrooms are more likely to exist. Giving the same opportunities to boys and girls in rural communities can be achieved though, by accessing digital eLearning solutions developed by education leaders, and powered by Inmarsat.

As well as giving children access to quality learning materials and the internet, remote connectivity allows training organisations to improve the skills of teachers, further bridging the gap between urban and rural education provision.

## Our connectivity will allow remote schools to:

- > Up-skill teachers
- > Project digital content on to an interactive board
- > Create computer labs with simultaneous users
- > Provide access to school learning management systems
- > Download digital content
- > Undertake assessments online
- > Upload assignments









## BGAN and BGAN Link

- BGAN and BGAN Link is delivered by the global Inmarsat-4 network, which operates at 99.9 per cent availability
- The services are accessed by discreet plug-and-play terminals that are easy to set up with no technical expertise
- Power consumption is low and batteries, if used, are recharged from a solar panel
- Monthly flat rate customised price packages available

# Real time education via satellite

Within minutes, a class in a rural school can connect to Inmarsat's satellite services and begin taking part in a real-time lesson.

Our IP Broadband Global Area Network (BGAN) provides always-on internet connectivity throughout the world, covering areas that terrestrial or cellular technology cannot reach, and where they are congested or unreliable.

BGAN Link broadband data services give students, teachers and learning organisations the connectivity they need to access and provide education wherever they're located. These satellite services are designed as long term connectivity solutions with a wide range of flexible, affordable service plans.

BGAN Link delivers the reliability and functionality of our acclaimed BGAN service with high monthly volumes of always-on broadband data. Terminals have low power consumption and can run on mains electricity, batteries or solar panels. Some versions have been specially designed to sustain ultra-low power consumption for extended applications.



Our satellite terminals are robust, lightweight and easy-to-use without any specialist training. Within minutes, a class in a rural school can be taking part in a real-time lesson, watching videos, taking online tests, or downloading that day's learning materials. Teachers can project digital content onto an interactive board to bring their classroom to life.

Instead of having to travel hundreds of miles to receive basic training or improve their qualifications, teachers in rural communities can access everything they need online. Remote schools can connect with each other, holding video conferences, accessing learning management systems, sending emails and making phone calls.

# Empowering remote adult education

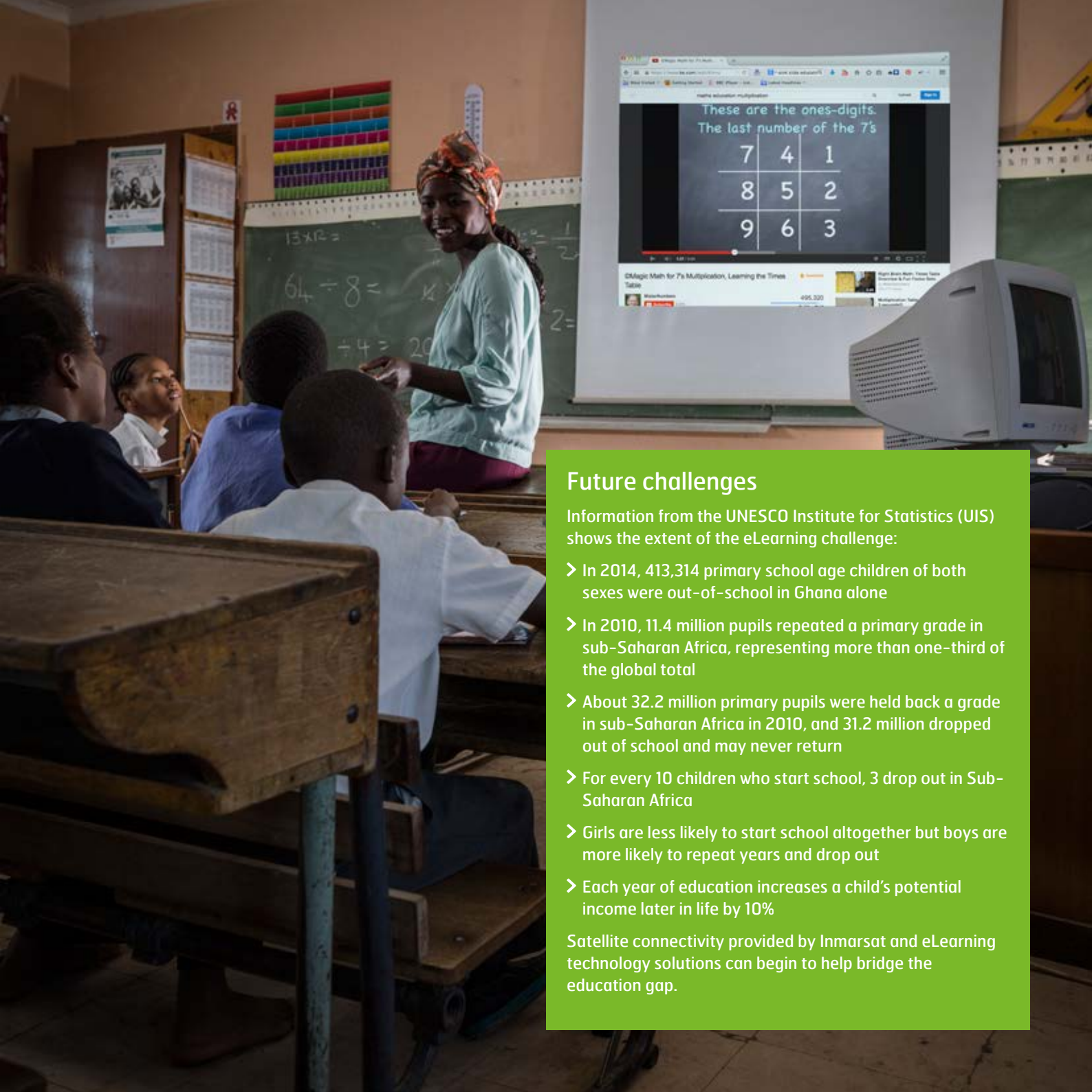
Education on a virtual campus can enrich lives, empower learners and enable career development opportunities.

eLearning also extends to the virtual campus. Universities are changing the way they deliver courses, expanding their reach with more opportunities for students to enrol in online degree courses from internet café-style community centres. As well as downloading course work and lecture notes and uploading assignments, students can communicate with peers and their lecturers all over the world.

Our smart device connectivity service, IsatHub, makes it even easier for students to enrol in university remotely. Using their own smart phone or tablet, they can use IsatHub to access a wealth of useful apps as well as email, internet and voice, no matter where they are. The services can be accessed through lightweight, portable terminals about the size and weight of a paperback book, and offer data speeds of up to 384kbps.







## Future challenges

Information from the UNESCO Institute for Statistics (UIS) shows the extent of the eLearning challenge:

- In 2014, 413,314 primary school age children of both sexes were out-of-school in Ghana alone
- In 2010, 11.4 million pupils repeated a primary grade in sub-Saharan Africa, representing more than one-third of the global total
- About 32.2 million primary pupils were held back a grade in sub-Saharan Africa in 2010, and 31.2 million dropped out of school and may never return
- For every 10 children who start school, 3 drop out in Sub-Saharan Africa
- Girls are less likely to start school altogether but boys are more likely to repeat years and drop out
- Each year of education increases a child's potential income later in life by 10%

Satellite connectivity provided by Inmarsat and eLearning technology solutions can begin to help bridge the education gap.

## How to Buy

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