

# Breakthrough high definition LED lighting technology developed

**S**agentia has developed a breakthrough lighting technology which is vastly improved and better performing than any existing technology on the market.

The new high definition (HD) LED technology was developed when working on a medical lighting project with client Brandon Medical. It includes all of the benefits of high brightness LED technology but addresses all of the technical challenges, such as extremely high colour rendition, thermal management and low cost.

This is the first LED lighting system with near perfect colour rendition across the full visible spectrum. It also includes red balance control, to compensate for our natural weakness in

distinguishing shades of red, and big, adjustable light beams with more light across the full width of the illuminated area – a major advance in lighting control.

The solid-state technology means that the lights generate no heat, produce only visible light, and require very little maintenance as there are no bulbs to replace. They are extremely efficient, using up to 60 per cent less energy than current lighting products.

Potential applications for the technology go beyond medical into other areas where very high-quality, low-cost white light could be beneficial, such as film and TV, museums, architectural and retail industries.



## First mobile banking service launched in Afghanistan

Sagentia has rolled out M-Paisa, a mobile technology platform in Afghanistan which can provide financial services for those without access to banking, created for Vodafone and leading telecommunications operator Roshan. The service assists

economic development in Afghanistan and aims to facilitate economic activity in the region. The system builds on the highly successful M-PESA service in Kenya, which has seen 1.7 million people register as customers since its launch in March 2007.

## Sagentia reaches high standard for medical devices

**S**agentia has been awarded certification to ISO 13485:2003, the internationally recognised standard for ensuring adherence to regulatory requirements in the medical device industry.

The standard demonstrates an ability to provide medical device design services that consistently

meet customer and regulatory requirements. It also enhances Sagentia's ISO 9001:2000 certification, allowing the medical device requirements to work within our existing quality management system, and benefiting clients by ensuring the highest quality standards are met.

Jo Morgan, Quality Manager at Sagentia, comments: 'Having already received registration to 9001:2000 and having an established Quality Management System made the job a little easier as we had already documented many of the requirements included in the standard. The challenge is in ensuring that everyone knows what to do and is capable of operating effectively within the requirements. This registration demonstrates our commitment

to providing the highest quality technology development services to our clients.'

Medical device manufacturers are required to deliver products that are both safe and effective. ISO 13485:2003 allows companies that design and develop medical devices to market their products around the world with greater confidence.