

# Tortuga Beach Resort & Spa



In 2009 IVC Media, was contracted to design and build a state-of-the-art centralised AV, IT, resort security and access control management infrastructure using the latest fibre optic technology for the new luxury Tortuga Beach Resort & Spa in the Cape Verde Islands off the coast of West Africa.



to realise The Resort Group's vision of a future-proofed, high bandwidth capacity network that supplies multiple services to numerous dwellings while maintaining optimum performance.

Owned by The Resort Group, Tortuga Beach Resort & Spa will consist of a variety of bars and restaurants, pools and relaxation areas, a beach club, gymnasium, shops, 52 villas, 306 apartments, 14 hotel suites and a state-of-the-art Sol Meliá brand Yhi spa. The entire Resort will be operated by the largest resort hotel group on the planet, Sol Meliá, under their luxury 5-Star MELIÁ brand. The £1.1 million IVC network will provide multiple services to the resort including: fast internet access, multi-channel high definition TV, video-on-demand, telephony, fire detection, door entry systems and CCTV all controlled by a remotely monitored, centralised management system.

IVC Media's experience implementing large scale AV and IT installations has allowed its team to supply and install every element of a complete working unified communications system for the entire Tortuga Beach Resort & Spa that is easy to manage and maintain.

By implementing the latest optical fibre technology IVC has been able

The IVC system takes advantage of a GPON (Passive Optical Network) which is a point-to-multipoint, fibre-to-the-premises network architecture using passive (non-powered) optical splitters deployed across the resort site. In this way, a single optical fibre will be used to serve multiple premises, reducing the amount of fibre and central office equipment required compared with a point-to-point architecture.

*"We chose IVC Media because of the company's vast experience in the installation of large AV and IT projects and the clear understanding of our customers' needs. The innovative use of fibre technology is new to the hotel and resort industry and will ensure each of our dwellings has a downstream capability of over 2 Gbit/s ready for when suitable bandwidth becomes available on the Island. The fibre technology is way beyond the potential of a standard broadband system and will ensure we have the capacity for the interactive services of the future."* Andrew Lawson, Development & Construction director of The Resort Group.

The first villas at the 74,843 m<sup>2</sup> Cape Verde Tortuga Beach Resort & Spa were successfully handed over in March 2010.



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