

Egypt rolls out GSM with PAV's FSO

Rapid roll out expands network in record time

When Motorola and MobiNil began discussions for the expansion of MobiNil's GSM network within Cairo problems with rollout scheduling soon became apparent.

Cairo is one of the most densely populated Cities in the world (50,000 inhabitants / Km²) and does not lend itself easily to the installation of underground ducting for telecommunications services so when looking at deployment options this was quickly discounted.

In addition, due to the size of the GSM infrastructure being considered, and the density of cells, microwave installations would prove problematic due to frequency issues. However, with Motorola's background as specialists in the deployment of GSM networks, a proven solution was at hand in the form of PAV's SkyCell™ E1 Series of Free Space Optical (FSO) transmission systems.

Over the previous two years PAV had been in discussions with Motorola about the deployment of SkyCell™ Wireless optical Transmission Systems for the interconnection of cellular base stations.

Field trials had been completed in over 12 countries to confirm the operational reliability under all atmospheric conditions ranging from extreme heat to extreme cold and through rain storms and snow showers. Due to these evaluations Motorola had no doubt when making a recommendation to MobiNil for the deployment of multiple SkyCell™ E1 G.703 systems.

After a number of on site training sessions between PAV and Motorola technical staff in Egypt all installation and maintenance issues were cleared and installations began.

Motorola's Installation Manager Tamer Gouda comments; "The equipment is quick to install, reliable and is plug and play. My record for alignment is 15 minutes over a transmission path of 2 Km".

Since the first installations were completed several further volume orders have followed and there are now more than 450 PAV SkyCell systems deployed in the network.

