



Axesstel Provides 3G Wireless Broadband Gateways for Better Pharmaceuticals Management to Improve Healthcare in Kenya

Challenge:

In Kenya, where HIV infects 5% of adults, according to a 2008 UNAIDS report, access to antiretroviral (ARV) drugs is a critical health need. Public health centers receive their ARVs from the Kenya Medical Supplies Agency (KEMSA). However, the resupply of ARVs is based on a system that requires the typically understaffed centers to fill out monthly drug reports by hand and physically deliver them to KEMSA.

In 2007, the Provincial Medical Office (PMO) of Nairobi, received funding from Qualcomm, Inc. under the company's Wireless Reach™ initiative to improve pharmaceuticals management and reporting, beginning with ARVs.

Solution:

With the funding from Qualcomm and contributions from Telkom Kenya (TKL), the Communications Commission of Kenya (CCK), and Axesstel, RTI International worked with the PMO to bolster ARV drug management and reporting at selected health centers in Nairobi by introducing an electronic reporting and management system.

Project goals included improving timeliness, completeness, and accuracy of drug reports; enabling staff to keep better track of patient regimens; and reducing reporting burdens to enable staff to spend more time on patient care than paperwork.

The project demonstrates that transmitting reports electronically via Axesstel's 3G wireless broadband gateways conserves valuable staff time and resources. One pharmacist stated that e-mailing the report saved her an entire day each month of travel to and from KEMSA.

Summary:

The project demonstrates the value of the 3G technology EV-DO Rev. A, a wireless broadband technology created by Qualcomm, provided over TKL's network, using Axesstel's 3G wireless broadband gateway that offers an affordable way to provide connectivity, especially in rural areas where landline access is limited or nonexistent.

About Axesstel, Inc.

Axesstel (AMEX:AFT) is a recognized industry leader in the design and development of fixed wireless voice and broadband data products. Axesstel's best in class product portfolio includes broadband modems, 3G gateways, voice/data terminals, fixed wireless desktop phones and public call office phones for high-speed data and voice calling services. The company delivers innovative fixed wireless solutions to leading telecommunications operators and distributors worldwide. Axesstel is headquartered in San Diego, California with a research and development center in Seoul, South Korea. For more information on Axesstel, visit www.axesstel.com.

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Axesstel Contact:

David Berman
+1.858.625.2100 X310
dberman@axesstel.com



Wireless Reach Kenya Partnership Project Launched on Nov. 17, 2008



A pharmacist shares with the audience how the system has changed his work. He is now able to save one full day per month using the new computer system and this enables him to spend more time with his patients.

The Qualcomm Wireless Reach Project launch took place at the Kasarani Health Center, a public health facility in the northern outskirts of Nairobi Province and consisted of a technology demonstration and formal speeches from project partners and special guests from the Kenyan and U.S. governments. In attendance were the Permanent Secretary of the Ministry of Information and Communications, Dr. Bitange Ndemo, and the Permanent Secretary of the Ministry of Medical Services of Kenya, Professor James L. Ole Kiyiapi. The master of ceremony, Dr. P.M. Siminyu, the Provincial Director of Medical Services, explained the project to the audience of 200 and thanked the partners for their contributions.



A pharmacist demonstrates the new system he now uses to order his monthly request for antiretroviral medicines.



Computer System and the Axesstel 3G wireless broadband gateway.



The waiting area of the Kasarani Health Center.