A Sustainable Advantage for Khalda Petroleum Company

"Cambium's PMP broadband system is low cost, more reliable, and higher bandwidth compared to other systems used for SCADA applications, like VHF modems and fiber optic cable." – MOSAD EL SAYED BADR, TELECOM GEN. MGR., KHALDA PETROLEUM COMPANY

Overview

KHALDA PETROLEUM COMPANY IS A LARGE DRILLING AND PRODUCTION OPERATION in the Maadi district of Cairo, Egypt. Khalda's holdings span 500 kilometers of the West Desert, with more than 30 gas wells on Tarek, their largest field. Reliable communications are essential for monitoring and SCADA applications at well sites, and though Khalda's existing fiber and licensed microwave system had served them well for years, bandwidth was becoming limited as the equipment became obsolete.

Due to the expense of installing and maintaining fiber cable infrastructure and the complications of licensed microwave options, Khalda sought a solution to update their network that could support not only the IIoT applications necessary for operational efficiency, but also voice, video, and data applications across the entire company of more than 3,000 users– at an affordable total cost of ownership.
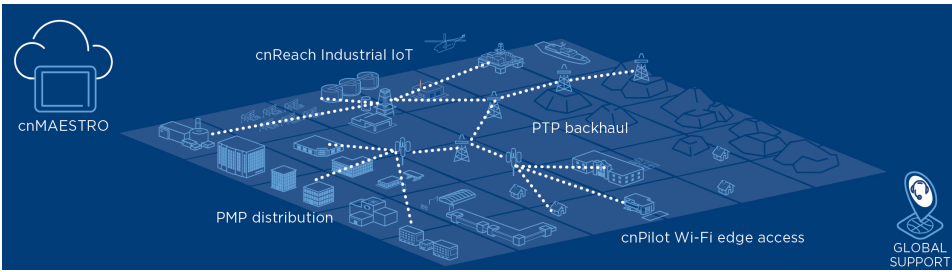
WHY KHALDA PETROLEUM COMPANY CHOSE CAMBIUM NETWORKS

- Designing the network was easy with LINKPlanner.

- cnMaestro™ cloud-based end-to-end wireless management system facilitates configuration at installation, administration, and troubleshooting.

- Specification sheets and other product documentation is available for quick and easy download.

8X Speed **increase**

| BEFORE | 54 Mbps |
| AFTER | 412 Mbps |

cnMAESTRO

cnReach Industrial IoT

PTP backhaul

PMP distribution

cnPilot Wi-Fi edge access

GLOBAL SUPPORT

Solution

SYSTLE, AN EGYPTIAN ISP, BEGAN THE UPGRADE PROJECT BY STUDYING THE coverage area between the main telecom tower at each location and its surrounding area using Cambium Networks' LINKPlanner software, which enabled them to model network hardware and software configurations according to the real world parameters of Khalda's required system.

With the exact specifications of the equipment needed, they implemented Cambium PTP solutions for backhaul and PMP distribution products, installing the equipment according to the design LINKPlanner generated. They were able to deploy the new hardware quickly, and configure it using cnMaestro cloud-based network management system.

BEST PRACTICES

- Get the most out of your investment by modeling your network before purchase with LINKPlanner.

- Enable your technical teams' success with hardware that installs quickly and easily, and network management that simplifies operation and reduces maintenance costs.