

SUCCESS STORY BATMAN, TURKEY, September 2015

Sector: OIL&GAS COMPANY

Requirements:

- Wireless connection of the remote facilities (oil wells and towers), located outside the city with monitoring center
- Real-time CCTV video transmission from the thermal and infrared cameras to the monitoring center
- High reliability of the links used
- Good price/quality ratio
- Possibility of future capacity and structural upgrade
- Immediate use after installation

Weather condition:

Batman, is a mediterranean city in the south eastern Anatolia region of Turkey and lies on the rivers Batman and Tigris. The floods usually occur between March and May, although they sometimes occur between October and November. Batman has a hot summer Mediterranean climate. Winters are cool and humid, with much precipitation and also cloudier. Summers are hot and dry with temperatures above 35 °C (95 °F). On average, Batman has a lot of sunshine hours.

Applications:

- The EC SYSTEM point to multipoint and point to point microwave radios are used to connect cameras and transmit the video to the monitoring center
- The EC SYSTEM microwave radio is ideal for such type of application like CCTV and other types of video surveillance to provide the real-time monitoring of the remote facilities and keep the property safe and prevent any kind of damage or loss



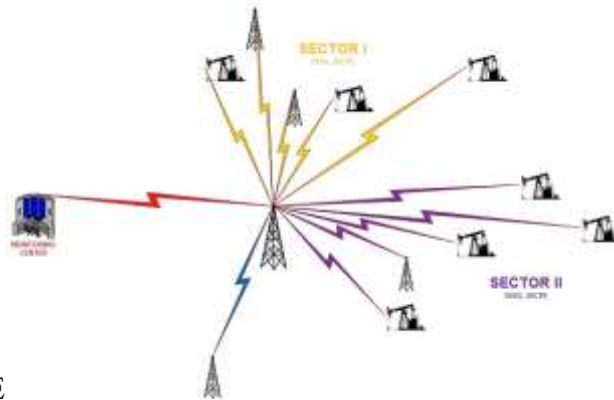
Solution:

There were used EC SYSTEM point to multipoint solution working in 5GHz bands. The base stations were chose with capacity 300 Mbps and customer premise equipments (CPEs) with capacity 50 Mbps. The installation was made in cooperation with our bussines partner, installation company in Turkey.

Upgrade possibilities:

As BTS models are able to connect to as many CPEs as needed, in case of expanding to more mining sites is possible just to add the corresponding number of CPEs

The transmission capacity of „S5“ models can be upgraded anytime up to 300 Mbps just by purchasing software license with no need of additional equipment.



NETWORK ARCHITECTURE

Result:

- With growing energy consumption, safe ways of its production are vital
- The control and monitoring of wells is an essential part of safe energy production
- The EC SYSTEM equipment helps the customer in Batman to develop a stable energy production around the south eastern region of Turkey and plans to help at Diyarbakir City



Next steps:

- Future step is expanding by adding more CPEs to the recent structure and adding 3rd sector with 1 base point and several CPEs