

CCTV real-time wireless monitoring from remote areas in Oil&Gas industry

Success story

In order to ensure that the facilities (oil wells and towers), located outside the city, in the remote areas of Turkey meet safety policies and could be supervised 24 hours, the company needs to ensure that its SCADA systems (Supervisory Control And Data Acquisition) could be controlled in real time from the remote monitoring centre.

Real-time supervision required a reliable network solution based on high reliable Point to Point and Point to Multipoint wireless equipment, which is able to provide increase in base stations and coverage and in the same time high reliable, robust and secure communications system that could operate in harsh, dust and hot environments with summer temperatures above 35 °C (95 °F).

The EC SYSTEM wireless outdoor solution Point-to-Point and Point-to-Multipoint is ideal for such type of application like CCTV and real-time monitoring and other types of wireless video. There was suggested to use robust and reliable EC SYSTEM high capacity base stations and subscriber terminals with option of the future capacity upgrade by software license.



Requirements	Solution	Customer Benefits
Real-time control	2 H5A23R200 long range backhaul Point to Point high capacity	Low entry costs
Real-time CCTV video transmission from the thermal and infrared cameras to the monitoring center	2 high capacity Point to Multipoint base stations H5BA6R200 with 300 Mbps	Better ROI achieved using of more capacity in less spectrum, use of wider channel sizing and unprecedented radio performance
Robust design to operate in harsh environments	10 CPEs S5TA19R63	Reliability in harsh climate condition
Coverage of up to 15 km	4 CPEs S5A21R63 with 50 Mbps	Capacity upgrade only by software key
Quality of Service support for a variety of traffic		

