



# Case Study Of IBP

## Abstract

A case study shows how wireless network system successfully serves in oil refineries of a Major Oil company in India.

Maksat's MMS equipment is deployed to connect the IBP and Indian Oil refineries located in different part of the country. These sites include Mathura, Panipat, Lucknow, Kolkata, Manesar, Ahamdabad and Surat.

## Challenge

*" We were looking for a system that can work without any environmental issues, exists in oil refineries. At same time, technology should be reliable and secure to connect our all refineries in different part of the country"* ,Officer (IBP) said.

Establishing a Wireless network for a refinery was really a challenge. Management was looking for a advance and reliable system with the major concern of Stability, Security and better services. It should be easy to manage and secure access for executives, Officers and Management. Security and system stability were seen as key factors along with the system that could work in oil refinery environment.

## Solution

### **Maksat MMS with OFDM Technology.**

After thoroughly researching options that met its solution criteria, Management decided to stay with Maksat MMS Wireless Equipment. The solution offers advanced technology and collaboration services.

*" Maksat MMS equipment is easy and quicker to configure and deploy. It has also Increased network efficiencies between IBP and Indian Oil at lower costs. The Maksat solution is interoperable with traditional Ethernet networks and new technologies.*

*We made the decision to go with the Maksat MMS, and soon we were up and running on schedule and under budget"* ,Officers IBP says.

Maksat MMS is pre Wi-max Technology With the features like XR of -97 dBm (best in the industry), Watchdog timer, Bandwidth management tool and inbuilt router with operational temperature of -40o C to +80o C.

The project was implemented in just 4 weeks. Definitely It had taken much less time, if refineries were not situated in different part of the country.

*" IBP network is up and running successfully from last 8 months and looked after by just 2 people. So, the maintenance cost of the running network is very low. "*



MMS wireless network also provides the IBP with a safer level of security. MMS's 128-bit encryption up to 3 keys, deliver the highest security available in the industry.

There is no license required from the government for frequency band because network is running on 2.4Ghz (free ISM band). So, there is no need to pay any License fee to government.

## Benefits

The administration recognized several advantages to a wireless network, main among them fast deployment, easy to maintain. Cost and infrastructure were also factors.

Due to wireless technology labor cost is also low. Network never goes down due to faulty or broken cables.

