

## SAF microwave systems provide communications to remote oilfields of AGOCO

“SAF systems have been working here for more than 5 years with no stop. We are really very happy selling it as it is plug and play then go away.”

Abdelbari Elbuaeshi  
Executive Sales Manager  
Almuttahidoun Telecom & IT Co.

### SAF links provide the following services for AGOCO:

- Ethernet for internet
- E1 for voice

### Advantages:

- Easy to install and configure
- Meets the requirements of the local climate condition
- Cost effective solution

**Partner:** Almuttahidoun Telecom & IT Co.  
**Customer:** AGOCO Arabian Gulf Oil Company  
**Location:** LIBYA  
**Industry:** Oil & Gas  
**Challenge:** To provide connectivity between remote oilfields of AGOCO

**Solution:** 34Mbps SAF - CFM (1+1)

### About AGOCO

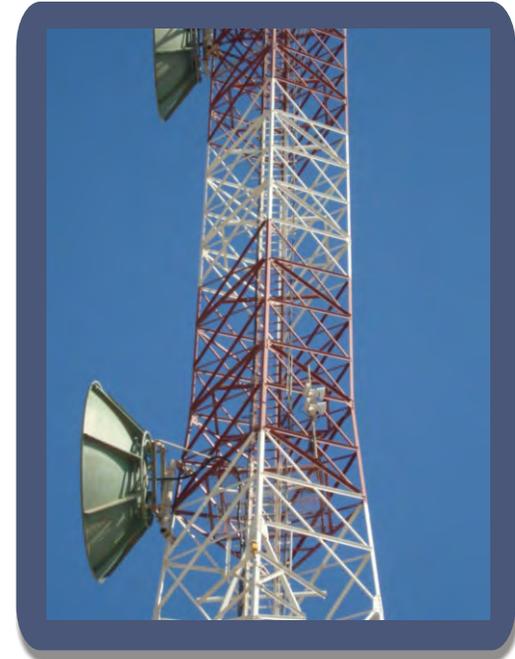
The Arabian Gulf Oil Company (AGOCO) is an oil company based in Benghazi, Libya, engaged in crude oil and natural gas exploration, production and refining. AGOCO is the biggest oil producer formed by Libya's National Oil Corporation (NOC) in late 1979 to take over the assets of a partnership of British Petroleum and Nelson Bunker Hunt of the US, and a partnership between Chevron and Texaco called Amoseas. It is a subsidiary of the state-owned National Oil Corporation. As of 2007, AGOCO produced around 440,000 bbl/d (70,000 m<sup>3</sup>/d), representing approximately 40% of total Libyan crude oil production.

### Challenge

AGOCO operates 5 major oil fields i.e., Sarir, Messla, Naffora, Beda and Hammada. The company also operates an oil terminal and a refinery in Tobruk and Sarir. AGOCO's main business is the production of crude oil from its oil fields in the desert and pumping the crude oil through hundreds of kilometres of pipelines to the coast. As every oilfield and refinery needs to be connected with each other in order to transmit both critical control system information to help manage drilling equipment as well as voice and data communication between sites.

### Solution

SAF equipment was chosen because of its ability to operate in harsh climate conditions and easiness of system configuration as well as being cost effective solution. SAF CFM 34Mbps 1+1 protected microwave radio systems connect main oilfields of AGOCO in a large geographically dispersed territory via Public Switched Telephone Network (PSTN) proving real-time communications - TDM voice and data between main AGOCO operational facilities. The microwave radio system can be expanded in the future to cater for any increase in AGOCO business.



■ AGOCO SAF CFM site

## Facts about Libya

- Area: 1,759,541 sq km
- Population: 6,173,579
- Temperature: +8 / +57 C°
- Precipitation rate: 400 - 600 mm

## SAF equipment used by AGOCO

- Total number of SAF Links: 5
- Distances between sites: up to 45 km
- Previous system capacity: 2Mbps
- Reasons of replacement: capacity limitation
- Replaced by: SAF CFM (1+1) 34Mbps
- Services provided by SAF equipment: TDM & Ethernet

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