OMAN VHF & RADAR TELECOM NETWORK

- The aviation community has always supported the development of communication services and use of technologies to enhance the operation of Communications, Navigation, and Surveillance and Air Traffic Management , hence the safety and efficiency of ATC operations.

CHALLENGES

1. Increased demand on more reliability and availability of VHF and Surveillance.
2. CNS Sites are either in the desert or on mountains. Hence, difficulty to secure telecom and utilities.
3. Sever weather conditions resulting in heavy flooding's experienced in 2007, 2010, where most of the telecom infrastructure was damaged.
4. Increased traffic volumes within Muscat FIR.

Omantel provides PACA the latest technologies and solutions to link remote sites to Muscat, Salalah, and Doqum airports.

CURRENT SECTOR SITE

- VHF SITES :

- 12 Sites

- Back up located in different site to avoid any interruption in the services

- Linked to MCT ATM and CTC via 2x FOC & V-SAT

VHF SECTOR SITES

Radar Sites :

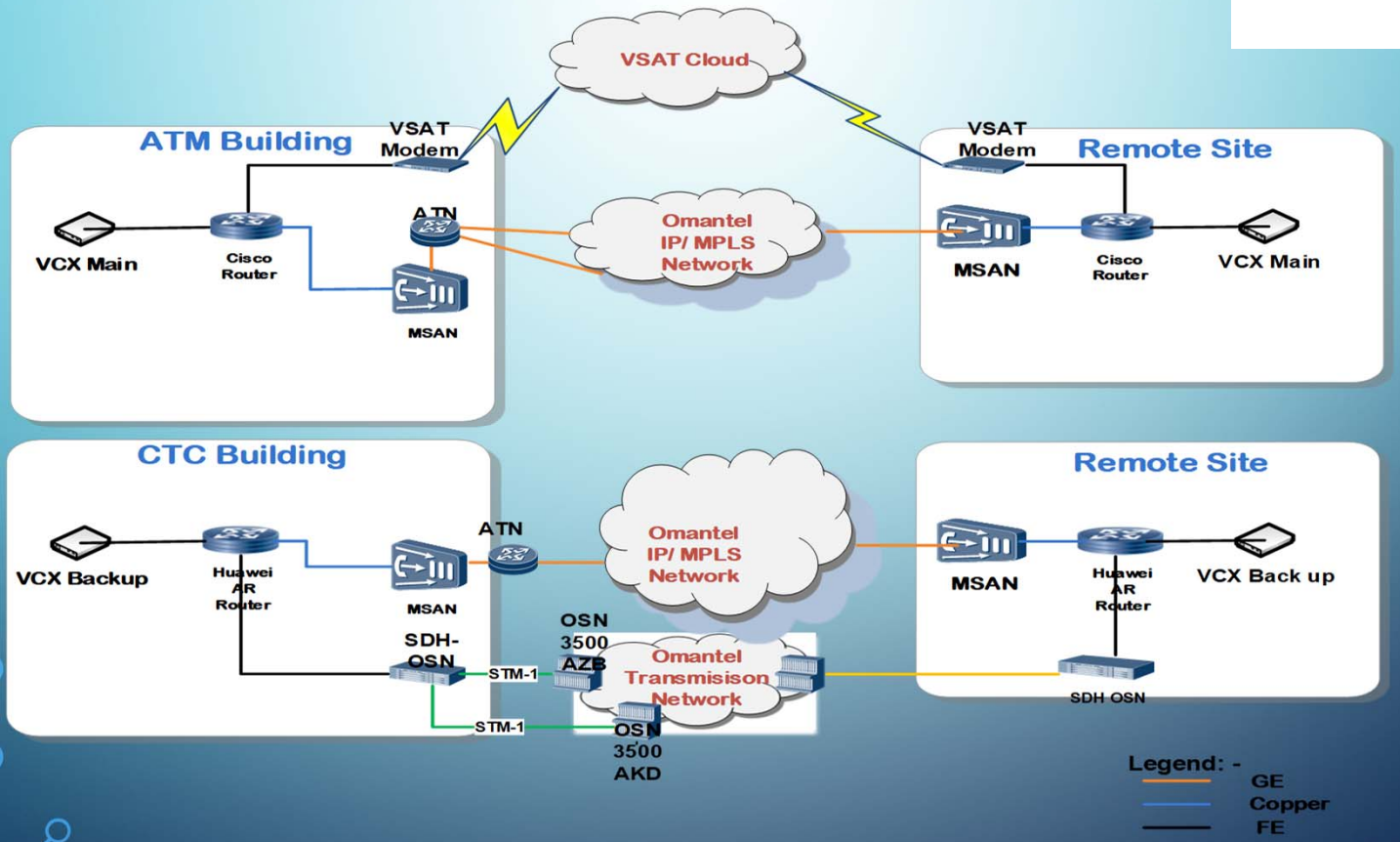
- 7 PACA owned Radars.
  - 2 PSR located at the two main airports.
  - 5 MSSR radars for en-route
- Linked to MCT ATM via redundant FOC & V-SAT

PACA
الهيئة العامة للطيران المدني

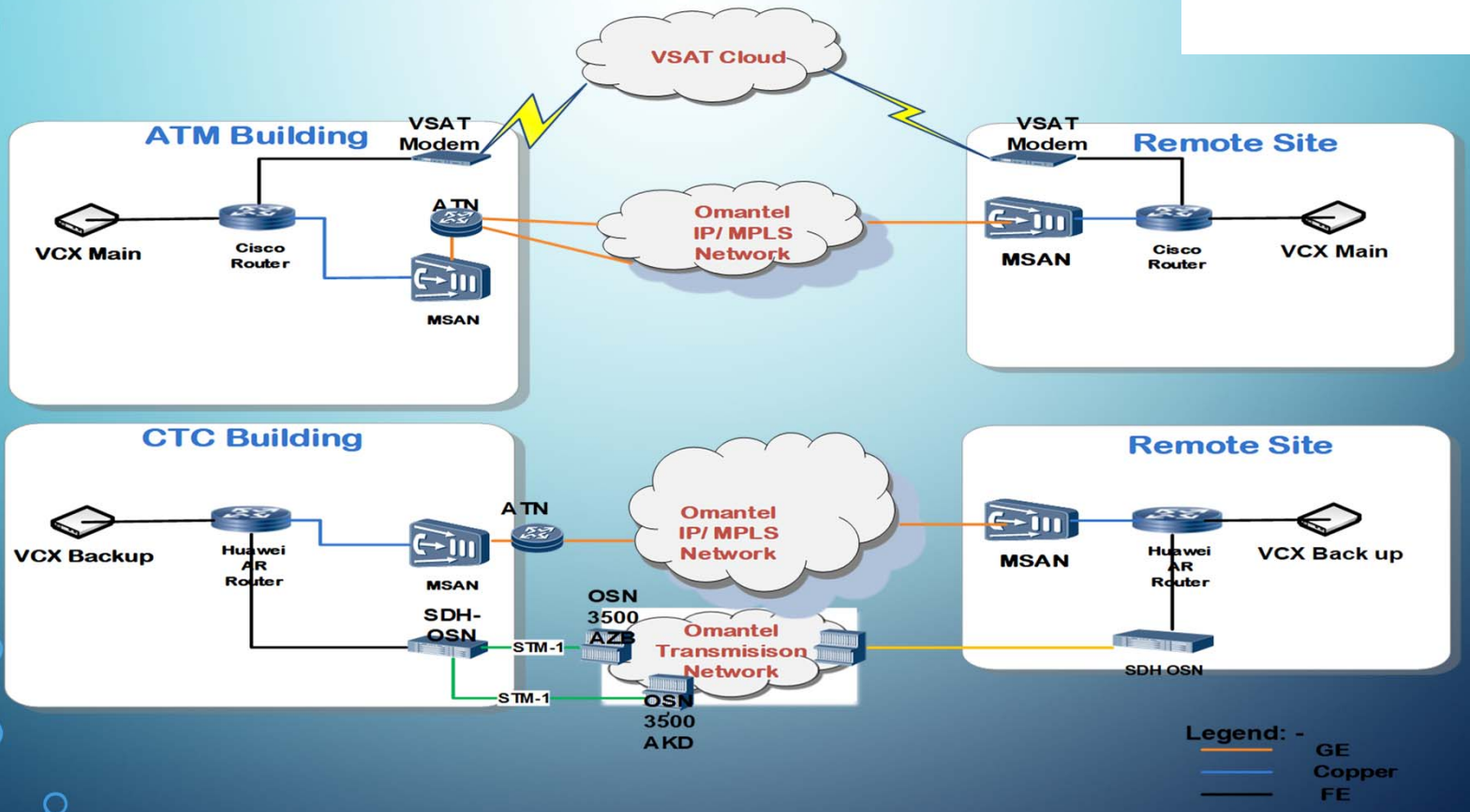
OMANTEL SERVICE

- All sector sites stations in Oman are connected to PACA ATM/CTC by a standardized dual network of fiber optics and V-SAT services provided by Omantel.
- Omantel offers the latest technical solutions and telecommunication services for PACA Oman as well as Oman airports.
- Omantel service is high quality providing support 24/7
- Availability of 99.98%

SECTOR SITE (VHF) CONNECTIVITY



SECTOR SITE (RADAR) CONNECTIVITY



THANK YOU