



Gorgonia Beach Marsa Alam

Customer Profile

Name: Gorgonia Beach .

Sector: Hospitality.

Capacity: +1000.

Location: Marsa Alam, Red Sea Egypt.



Partner:

Original for computers



▼ BRIEF

Gorgonia Beach resort is one of the leading hotels in south red sea area that is hosts guest that are interested in nature as it's located in Wadi El Gemal natural park.

▼ CHALLENGE

- Building infrastructure to facilitate the connection between building for Wi-Fi, Camera, etc.
- The hotel area measures 380,000 M2 contain around 34 buildings and area and has around 1000 user.
- The management required a full coverage for the hotel and the ability to expand in the future.
- The hotel area and lack of infrastructure.

▼ SOLUTION

• Access points **Omada**

- **360 units** of EAP235-Wall (Omada AC1200 Wireless MU-MIMO Gigabit Wall Plate Access Point)



• Smart Switch **Omada**



- **28 units** of SL2428P JetStream 16-Port 10GE SFP+ L2+ Managed Switch.

• L2+ Managed Switch **Omada**



- **1 unit** of SG2428P (JetStream 48-Port Gigabit and 4-Port 10GE SFP+ L2+ Managed Switch with 48-Port PoE+).

• Smart Switch **Omada**



- **2 units** of SG2218 JetStream 16-Port Gigabit Smart Switch with 2 SFP Slots.

• Smart Switch **Omada**



- **4 units** of SX3016F JetStream 16-Port 10GE SFP+ L2+ Managed Switch.

• Smart Switch **Omada**

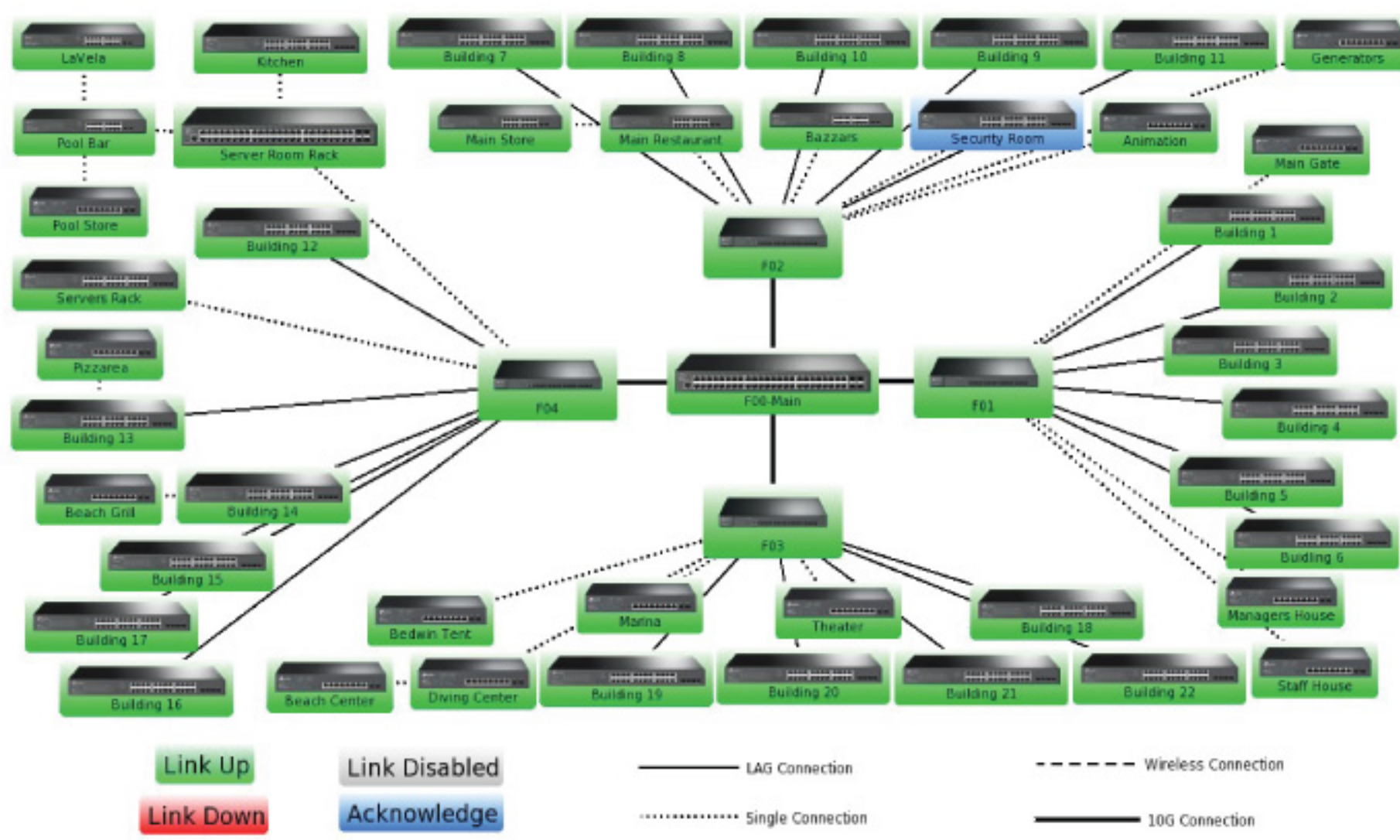


- **14 units** of SG2210MP JetStream 10-Port Gigabit Smart Switch with 8-Port PoE+.

▼ TOPOLOGY

Scalability Considerations:

- The topology is designed with scalability in mind to accommodate the increasing number of guests and devices, especially during peak seasons.

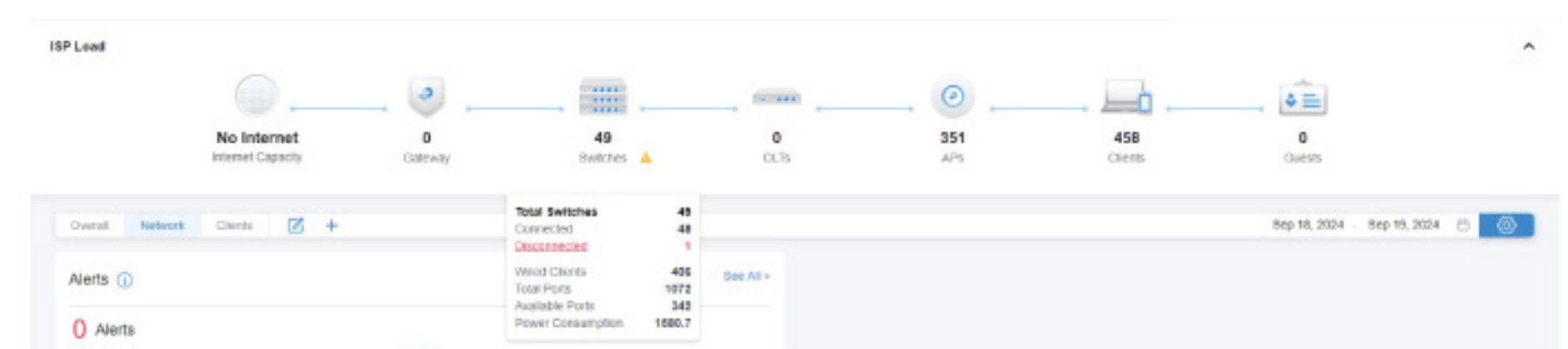


The Access Point solution in a hotel aims to provide reliable, secure, and high-performance Wi-Fi connectivity for guests throughout the entire premises.



Centralized Controller:

- A central controller is often employed to manage and monitor all the Access Points in the hotel.
 - The controller facilitates centralized configuration, firmware updates, and monitoring of network performance.



Distribution of Access Points:

- Access Points are strategically placed throughout the hotel to ensure optimal coverage in guest rooms, corridors, lobby, meeting spaces, and other common areas.
 - The distribution aims to minimize dead zones and provide a seamless transition between APs as guests move within the premises.

▼ BENEFIT

Connectivity and Speed:

- Guests appreciate fast and reliable Wi-Fi throughout the hotel. Positive feedback often highlights seamless connectivity and quick internet speeds.

Coverage:

- Positive comments may focus on extensive coverage, ensuring a stable connection in various areas, including rooms, lobby, pool, and meeting spaces.