BURJ AL ARAB
GENERAL İNFORMATION

- The hotel was built between 1994 and 1999.

- The hotel is 321 m in length is 290 m distance from land.

- Plenty of gold and crystal were used in making.
The world's first seven-star hotel is also the world's tallest and most luxurious hotel on the date of made.

There are total of 400 rooms in the hotel.
- Cost of construction is $650 million.

- The total cost is $1 billion.
THE PURPOSE OF PROJECT

Sheikh planed getting one of the most special holiday center Dubai in the world for continuation of wealth in the future when oil finished.
The project such as the world's well known structures (Eiffel Tower, Sydney Opera House) were required to consist of three to five lines. So it was decided to perform like a sail.
THE CONSTRUCTION OF THE PROJECT

- It was decided the hotel rise from the water to complete image of sea.

- Which can be up to 150 km per hour winds and 3-4 meters waves of the Persian Gulf showed that the artificial islands must be strong.
The liquid cement was applied sand to remove the water. So the island was covered from the bottom.
Dubai has violence of the winds reached 150 km per hour and is near a major fault line. An earthquake could damage the base of the structure. Liquefaction could happen.
Engineers thought supporting with concrete piles Burj Al Arab. They believed resisting force known as surface friction.
The daily temperatures in Dubai could change about 14 degrees. That means the beams significantly expand and contract. For this, it was put a large washer to connection mast.

- It was built a huge steel structure known as an exoskeleton to prevent strong winds and earthquakes.
A lot of tests were done and as a result they ingenious used a suspended weight known as tuned mass damper.
El Mantaha (Endless Landscape) Restaurant located 200 meters in height from the sea and hanged out 27 meters from the building’s narrow two parts.
It was built a great helipad for the customers how extends outside, 200 meters in height from the hotel and 330 tons weight.
The hotel’s interior decoration was started before building completion for that the hotel upbringing in time.