

PROJECT SHEET

THE WAVE MUSCAT, SULTANATE OF OMAN
RECLAMATION OF PLATFORM AND STOCKPILE, EXCAVATION OF MARINA BASIN AND QUAY WALL TRENCHES, DREDGING OF BREAKWATER

INTRODUCTION

Through Orascom, the Omani government is developing their tourist and real estate sector in order to diversify its economical drivers. The Wave, Muscat is the first freehold tourism and residential development to be launched in the Sultanate of Oman. The US\$ 805 million project will stretch along 7 kilometers (4.35 miles) of beachfront land overlooking the Gulf of Oman and covers an area of approximately 2.5 million square meters (26.9 million square feet). It is located in Muscat, Oman's capital city, about 5 kilometers (3.1 miles) from Muscat's Seeb International Airport. The Wave will ultimately contain an 18-hole golf course, a 300 berth marina, luxury hotels, office buildings, retail and restaurant outlets, and over 4,000 residential units. These residential units will be divided into luxury apartments and townhouses, as well as garden, waterfront and beachfront villas. The project will also contain low-rise commercial buildings with a total of 40 thousand square meters of office space, while the shopping retail outlets will range from high fashion to a traditional Omani souk.



B

FEATURES

| | |
|------------|---|
| Client | The Wave Muscat development company (Orascom – MAFI) |
| Location | Seeb, 40 km West of Muscat, Oman |
| Period | June 2006- March 2009 (multiple phases) |
| Contractor | Boskalis Westminster Oman LLC |



- A** Location map
- B** Aerial view of The Wave project, January 2007
- C** Mock-up of The Wave



C

THE WAVE MUSCAT, SULTANATE OF OMAN

RECLAMATION OF PLATFORM AND STOCKPILE, EXCAVATION OF MARINA BASIN AND QUAY WALL TRENCHES, DREDGING OF BREAKWATER

The project is a joint venture between the Omani government (Oman's Waterfront Investments), Omani Pension Funds (National Investment Funds Company) and Dubai-based Majid Al-Futtaim Investments (MAFI), who is expanding its activities in Oman. The project has OBM International as its master planners and WS Atkins as its lead architect.

The Wave was announced in 2005 and was planned to be developed over a period of six years. Although as a result of the economic crisis some developments were slowed down, the first set of residential townhouses and villas have already been completed. To date, more than 970 properties have been sold with a value exceeding US\$ 625 million with 450 residential units completed and 300 residents of 40 nationalities bringing the development to life. The first 9 holes of the 18-hole signature Greg Norman Links golf course is scheduled to

open for play by the end of 2010 and the first retail and food & beverage units in Al Marsa Village are expected to open at the same time. The designs of the Fairmont and Kempinski 5 star hotels are also now finalized and expected to open in the first quarter of 2013.

PROJECT SPECIFICATIONS

The project comprises of reclamation of a platform and stockpile and the excavation of a marina basin and quay wall trenches for the development for freehold residential area and hotels. Boskalis Westminster (Oman) LLC has carried out the project in multiple phases, starting in March 2006. For the reclamation and excavation works, a number of Trailer Suction Hopper Dredgers (TSHD's) and Backhoe Dredgers (BHD's) were deployed. A total amount of 3,5 million m³ was needed for the reclamation of the platform and the stockpiles. The total volume for the excavation of the marina amounted to 230,000 m³, while the volume of the excavation of the breakwater and quay wall trenches amounted to 160,000 m³. Temporary revetment was installed to protect a part of the platform pending phase 2. Important technical services and remedial works were performed by Cofra, a 100 %Boskalis subsidiary. Cofra carried out the dynamic compaction of the reclaimed material, using an advanced work method. The compaction activities improved the overall performance of the soil significantly.



D



E

- D Reclamation work in progress
- E Work in progress
- F Boskalis subsidiary Cofra carried out the dynamic compaction of the reclaimed material, using an advanced work method



F

Royal Boskalis Westminster N.V.
PO Box 43
3350 AA Papendrecht
The Netherlands
T +31 78 69 69 000
F +31 78 69 69 555
royal@boskalis.com
www.boskalis.com