

PROJECT SHEET

ACTIVITIES OF BOSKALIS WESTMINSTER MIDDLE EAST IN THE KINGDOM OF BAHRAIN
PAST AND PRESENT DREDGING AND EXPANSION PROJECTS

INTRODUCTION

The Kingdom of Bahrain is an island located in the Gulf, east of Saudi Arabia and north of Qatar and connected with its neighbor Saudi Arabia since the year 1980 with a 25 km long causeway. The archipelago consists of some 30 islands with a total of 160 km of shoreline and has a population of 800,000.

Whereas the surface of Bahrain in the year 1960 was around 650 km², the last decennia have seen a steady increase in the surface till a respectable figure of 740 km² in 2007. This increase has been achieved by a various number of small and mayor reclamation projects. The enlargement of the country has been realized by both the Government of Bahrain as well as the private sector. Generally speaking one might say that the sharing will now be 50/50, whereas most of the developments prior to 1990 have been undertaken by the Minis try of Works and Housing alone.

THE ROLE OF BOSKALIS WESTMINSTER MIDDLE EAST

Boskalis Westminster Middle East has participated in almost all of the medium and large reclamation projects since the early years of 1980 and has since then been continuously active in the Kingdom. Most of the reclamation works have been performed at the north shore of the kingdom, where the populations have been concentrated since long history and where both the airport and commercial ports are located. During this long presence,

Boskalis actively worked closely together with various local construction companies resulting in long-term relationships and successfully cooperation. In addition, on various projects, local resources, like rocks from quarries, were used. Together with these local companies and resources, Boskalis has been able to deliver a total package of services, using the in-house engineering company Hydronamic and maritime construction partner Archirodon.

When required Boskalis was involved in all stages of the project – concept, design and implementation. All projects required an environmental impact assessment and addressed mitigation measures, an area in which Boskalis was also able to offer and use their expertise successfully. The listing of the mayor project over the last decennia is quite substantial. The map on the next page shows the exact locations of some of the past and present projects.

FEATURES

Client	Ministry of Works and Housing of the Kingdom of Bahrain, various private developing companies
Location	Kingdom of Bahrain
Period	1992 - 2010
Performed by	Boskalis Westminster Middle East



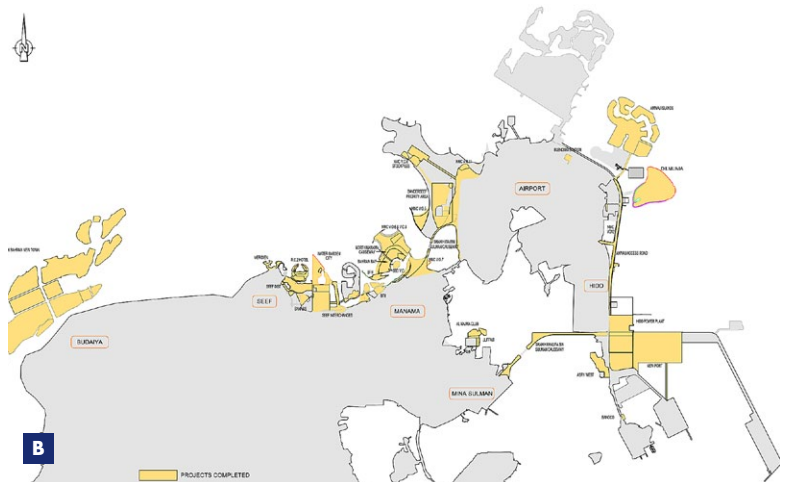
- A** Location map
B Map showing the exact locations of the various Boskalis Westminster Middle East projects in the Kingdom of Bahrain

1 PROJECT DILMUNIA

Client: Ithmaar Developme nt Company
Work/Quantity: Reclamation, Shore Protection & Canal Works
Period: January 2008 - July 2010

2 PROJECT WATER GARDEN CITY

Client: Al Bilad Real Estate Investment Co.
Work/Quantity: Dredging, Reclamation & Shore Protection Works
Period: September 2008 - June 2010



3 PROJECT NORTH MANAMA CAUSEWAY

Client: Ministry of Works and Housing
Work/Quantity: Reclamation & Rock Armouring Works
Period: April 2006 – November 2008

4 PROJECT BAHRAIN BAY

Client: Bahrain Bay Development
Work/Quantity: Dredging, Reclamation & Interim access/Bridge Works
Period: April 2006 – September 2008

5 PROJECT NORTH BAHRAIN NEW TOWN

Client: Ministry of Works and Housing
Work/Quantity: Dredging, Reclamation & Marine Works
Period: December 2005 – August 2008

6 PROJECT FINANCIAL HARBOUR

Client: Bahrain Financial Harbour Holding Co. / Ahmed Mansour Al-A'Ali
Work/Quantity: Reclamation and Revetment Works
Period: July 2004 - September 2006

7 PROJECT AL NAJMA SPORTS CLUB

Client: Ministry of Works and Housing
Work/Quantity: Reclamation Works
Period: March 2006 – September 2006

8 PROJECT SANABIS LAND RECLAMATION

Client: Adam Real Estate Co.
Work/Quantity: Dredging and Reclamation Works
Period: November 2005 – April 2006

9 PROJECT AMWAJ ISLAND ACCESS ROAD & SEEF INTERCHANGES

Client: Ministry of Works and Housing
Work/Quantity: Dredging and Reclamation Works
Period: May 2003 - December 2005

10 PROJECT RITZ CARLTON 2 ISLAND

Client: International Hotels Co. Ltd.
Work/Quantity: Dredging and Reclamation Works
Period: May 2005 - December 2005

11 PROJECT SEEF DISTRICT

Client: HH Shaikh Rashid Bin Khalifa Al Khalifa
Work/Quantity: Filling, Dredging and Reclamation Works
Period: September 2004 – October 2005

12 PROJECT BANDAR SEEF DEVELOPMENT AT BUSAYTEEN – PRIORITY AREA

Client: Ministry of Works and Housing
Work/Quantity: Dredging and Reclamation Works
Period: August 2004 – December 2004

13 PROJECT AMWAJ ISLANDS PROJECT – STAGE 2

Client: Osis Property Developers
Work/Quantity: Dredging and Reclamation Works
Period: August 2001 – August 2002

14 PROJECT DURRAT AL BAHRAIN – PACKAGE A

Client: Dalllah Real Estate Co.
Work/Quantity: Dredging and Reclamation Works
Period: July 2002 – November 2002

15 PROJECT SHAIKH KHALIFA BIN SALMAN CAUSEWAY

Client: Ministry of Works and Agriculture
Work/Quantity: Dredging, Reclamation & Slope Protection/Heightening and Widening of Embankments
Period: August 1997 - July 2001

16 PROJECT SECOND MANAMA MUHARRAQ CROSSING

Client: Ministry of Works, Power and Water
Work/Quantity: Dredging and Reclamation Works
Period: March 1992 - November 1992



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E



D

- C The TSHD Coastway at work in Bahrain
- D Aerial view of the Dilmunia project, mid 2010
- E Large scale reclamation works for the North Manama Causeway and Bahrain Bay projects

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