



**PROJECT**  
**NORTH MOLE EXTENSION IN GIBRALTAR PORT**

**CATEGORY**  
**HYDRAULICS & MARITIME WORKS**

**CLIENT**  
**CONSORTIUM SETH - SOCIEDADE DE EMPREITADAS E TRABALHOS HIDRÁULICOS, S.A. / CASAIS - ENGENHARIA E CONSTRUÇÃO, S.A.**

**LOCATION**  
**GIBRALTAR**

**PROJECT YEAR**  
**2014 - 2015**

**MAIN CHARACTERISTICS**

The Government of Gibraltar has awarded to the consortium SETH - Sociedade de Empreitadas e Trabalhos Hidráulicos, S.A. / Casais - Engenharia e Construção, S.A to build a retaining structure to support the material of the reclamation area to be provided on the northwest corner of the North Mole in Gibraltar Port, where the new power station was built. This structure should also be designed to allow the berthing and mooring of ships. The Company WW - Consultores de Hidráulica e Obras Marítimas, S.A. was responsible for the Detailed Design of the retaining structure of reclamation area and for the Technical Assistance services. The structure was built maintaining the alignment of the mooring quay in the cruise terminal quay, extending this mooring quay by 106 m. In the perpendicular section, facing North, the structure has a length of 39.00 m. The structure crown level will be +4.00m, CD, and the foundation level will be -8.00m, CD. The retaining structure of reclamation area is composed of 5 prefabricated reinforced concrete caissons filled with sand and founded on a...

**PROVIDED SERVICES**

Detailed Design; Technical Assistance.



**VILA REAL**

AV. DA EUROPA, EDF.  
ENCOSTA DO RIO, N.º 10  
5000 - 557 VILA REAL |  
PORTUGAL  
+351 259 309 200  
(CHAMADA PARA A  
REDE FIXA NACIONAL)  
vilareal@nrv-norvia.com

**LISBON**

RUA JOÃO SARAIVA Nº  
32 1700 - 250 LISBOA |  
PORTUGAL  
+351 219 108 930  
(CHAMADA PARA A  
REDE FIXA NACIONAL)  
lisboa@nrv-norvia.com

**FUNCHAL**

RUA DR. PITA EDIFÍCIO  
STADIUM, BLOCO 1 A1  
R/C 9000-160 FUNCHAL  
MADEIRA | PORTUGAL  
+351 291 700 160  
(CHAMADA PARA A  
REDE FIXA NACIONAL)  
madeira@nrv-norvia.com

**PRAIA**

AV. DE SANTIAGO, EDF.  
ORDEM DOS  
ENGENHEIROS, 1ºDIR  
PALMAREJO, PRAIA |  
CABO VERDE  
+238 262 44 60  
(CHAMADA PARA A  
REDE FIXA DE CABO  
VERDE)  
caboverde@nrv-  
norvia.com

**LUANDA**

RUA DAMIÃO DE GÓIS,  
N.º 16 - 18 BAIRRO DE  
ALVALADE LUANDA |  
ANGOLA  
+244 938 198 440  
(CHAMADA PARA A  
REDE FIXA DE ANGOLA)  
nrvaio@nrv-norvia.com

**MAPUTO**

CENTRO ESCRITÓRIOS  
MILLENIUM PARK  
BUILDING, AVENIDA  
VLADIMIR LENINE 174, 1º  
ANDAR - CIDADE DE  
MAPUTO | MOÇAMBIQUE  
+258 21 305 397  
(CHAMADA PARA A  
REDE FIXA DE  
MOÇAMBIQUE)  
mz@nrv-norvia.com

**DAKAR**

VDN - CITÉ HEUR  
GOURGUI 75C - 2ÈME  
ÉTAGE B. P. 6701 DAKAR  
| SÉNÉGAL  
+221 338 644 408  
(CHAMADA PARA A  
REDE FIXA DO  
SENEGAL)  
westafrica@nrv-  
norvia.com

**PONTA DELGADA**

RUA ARCANJO LAR 9  
R/C 9500-162 PONTA  
DELGADA | PORTUGAL  
+351 296 287 031  
(CHAMADA PARA A  
REDE FIXA NACIONAL)  
geral@msw-  
consultores.pt