

built in Croatia

CSD IBN BATTUTA

In 2007 one of the leading dredging contractors in the world, Jan de Nul, ordered four large self-propelled cutter dredgers from the yard Uljanik Brodogradiliste in Pula, Croatia. These dredgers are designed using the latest technology and innovation and are employable worldwide. Insights from the owners' long-term experience with their existing dredgers have also been incorporated in this design.

Special features include: ladder turning points at two positions, three dredge pumps (one in the ladder, two inboard), anchor booms and a barge loading system at both sides.

Main characteristics:

Length overall	138.5 m
Breadth	26.0 m
Draught	5.5 m
Dredging depth	35.0 m
Installed diesel power	23 520 kW
Accommodation	46 persons

Vuyk Engineering Rotterdam has continued its relationship with Jan de Nul by making the major part of the basic design of the dredger in close cooperation with the owners. The detailed engineering of the spud carrier was also performed by us in 3D (using Solid Edge software) as well as a Finite Element Analysis for the spud carrier.

Names of the new cutter dredgers are IBN BATTUTA, ZHENG HE and FERNÃO DE MAGALHÃES (called after Arabian, Chinese and Portuguese explorers). The name of the fourth unit is still unknown. The delivery of the dredgers is scheduled for 2009 and 2010.

