



Improved navigation conditions in Hvide Sande

Hvide Sande Harbour has since May 2011 been working on a major project, which is meant to create better navigation conditions and new unloading possibilities with an extended water depth for the industrial fishing cutters.

- We have previously witnessed that the entrance to the harbour was almost completely shoaled after a few days with heavy wind from the north-west, says harbour manager in Hvide Sande, Steen Davidsen, - and this of course makes major vessels such as the industrial fishing cutters choose other harbours for their unloading.

- In fact, the largest vessels that belong in Hvide Sande landed less than 20% of their catches in Hvide Sande Harbour due to unstable navigation conditions and too low water depth, says Steen Davidsen.



- The harbour entrance will now be extended to 100 meters at the bottom instead of the only 55 meters before, says harbour manager Steen Davidsen.

Four years ago, it was decided to do something about this issue. The goal was for all vessels belonging in Hvide Sande to be able to unload in Hvide Sande Harbour.

The channel was dredged to a water depth of 6 meters in the summer period, but at the Industrial quay, the depth was still only 4,5-5 meters.

New outer moles

Another and considerably larger part of the project was a permanent improvement of the navigation conditions, which is achieved by extending the northern mole with 70 meters and establishing a completely new southern mole of 700 meters.

At the same time, 1.2 million m³ of sand was moved from the sea bed and the beach to the north of the harbour entrance with the purpose of making the new current pat-

terns push the sand past the new entrance and further to the south, which in turn would reduce the quantities of sand deposits in the entrance to the harbour.

The entire project of moving sand and the design of new moles was realized in accordance with model calculations at DHI, and the purpose was for nature itself, by means of the new current patterns, to provide the biggest possible passage of sediments past the new entrance to the harbour.

- By means of this deepening operation and with the new mole design, we expect to be able to maintain a water depth in the entrance of 6 meters instead of the current 4,5 meters, says Steen Davidsen.

New quay for the industrial cutters

When the establishment of the moles is completed at the end of 2012, the entrance to the harbour has been moved approx. 400 meters further to the west, and the width of the entrance has been increased from 55 meters at the bottom to 100 meters at the bottom.

This will naturally also improve the navigation conditions considerably.

But in addition to this, a new "Outer harbour" will in this way be established, and the old outer harbour will change its name to the Western harbour.

In this area, a completely new quay towards the north will be built with a length of 150 meters and a water depth of 6 meters, which we hope to extend to 7 meters. Behind this quay, a 35 meters wide apron and a rear area of 2 hectares will be established.

As a supplement to the Industrial quay, the industrial vessels will have the possibility to unload at the eastern end of the quay, which will have a direct connection to the industrial area at the Industrial quay.



Large contractor's machinery has throughout the summer worked hard with the up to 24 tons heavy rocks.

- We hope and expect that with this project, we will succeed in dragging the Hvide Sande boats, which are now unloading in other harbours, back to our harbour, and that we will also be able to attract new visitor vessels to Hvide Sande, says Steen Davidsen.

The mills make a considerable contribution

The Hvide Sande harbour project has required an investment of approx. DKK 143 million, of which the main part has been financed by the Harbour itself.

EU has donated well over DKK 19 million for the mole establishment and the state provided DKK 36 million particularly for the southern mole.



Steen Davidsen expects that the establishment of the southern mole will be completed before the end of the year. The concrete blocks, which can be seen on the beach, are meant to make up the core in the mole. On top of that, a 4 meter wide carriage road will be established.

