

# Solution for SIHARBOR: shoreside power supply Nordlandkai Lübeck, Germany

**SIEMENS**

**Customer:** Stadtwerke Lübeck  
**Country:** Germany  
**Project:** SIHARBOR Lübeck  
**Date:** 2008



## Scope of Supply

- Shoreside power connection for three ferries
- Shoreside: 2,5 MVA/6kV @50 Hz
- Shipside: 400 kV @50 Hz

## Requirements

As part of the New Hansa Project, the shore Nordlandkai Lübeck had to be equipped for a shore to ship connection.

The three ferries TransPaper, TransPulp and TransTimber of Swedish shipping line TransAtlantic were already operable for the connection.

## Solution

Siemens installed the matching connection point at the berth and set up the connection to the medium-voltage system of the Lübeck municipal utility.

Also, Siemens created a modern software solution using programmable SIPROTEC multifunctional relays at the shore site.

## Highlights

The system installed in Lübeck is the first commercially operated shore to ship connection in Germany. It is a pilot project together with the paper company StoraEnso.