

# NEWS FROM THE NAVIGATION COMMUNITY

## Errata WG 111 – August 2010

We would like to inform you that we have found a few errata in WG-report 111, which was distributed in August 2010. The entire report will be revised and put on the Members Only-space of the PIANC website as soon as possible. We apologise for the inconvenience.

### BELGIUM

#### **Efico's Seabridge sets the standard in Zeebrugge**

Many warehousing and logistics organisations are investing in environmentally friendly technology in order to cut their energy consumptions, and reduce their carbon footprint. Efico's new Seabridge Logistics facility in the Zeebrugge inner port is perhaps the most advanced example in the world. This service centre for green or unroasted coffee recently won the European Green Building Award. Seabridge equals an investment of 30 million EUR.

Providing storage capacity for 450,000 coffee bags, the 20,000 m<sup>2</sup> warehouse is an advanced logistics service centre and distribution platform for green coffee that is designed to be as environmentally friendly as possible. The new facility is groundbreaking in many respects, being powered by green energy produced by 4,600 photovoltaic panels on the roof of the building, and having a range of new technology for automatic reception, sampling, calibration, grading, colour sorting, drying, mixing, debagging/rebagging and storage of green coffee.

A state-of-the-art storage facility with constant regulation of air temperature and humidity, built-in ventilation, air-filtering and sterilisation facilities, the new warehouse also uses a unique coding system that tracks and traces coffee at every moment in the coffee supply chain.

Such is the effectiveness of the Seabridge concept that the primary energy demand of the building is some 73 % lower than the Belgian building code requires. All the building's energy requirements are met, using green energy, and when operating at peak capacity the solar panels are capable of providing 1 MW of power, enabling the facility to provide excess electricity to the national grid when it is not required on the site.

Efico has also used energy efficient building materials for the warehouse and applies an Energy Measurement System to control energy use throughout. Using a unique waste management system, the company sorts and recycles waste to be used as raw materials in other products. A state-of-the-art Warehouse Management System controls all the operations within the facility, increasing invento-

ry accuracy, reducing receiving times and ensuring product availability.

Efico's Seabridge is the first port client of Zeebrugge's Maritime Logistic Zone. This constitutes a 120 ha zone designed for added value and port related distribution activities. Seabridge entirely fits in the philosophy of the Zeebrugge port, which strives for being a 'clean port'. The port is located in a vulnerable area, a coastal area, having no space for disturbing or polluting activities. Additionally, Zeebrugge offers Seabridge a spectrum of maritime services, both shortsea and deepsea, as well as an intricate network of hinterland connections by road and rail, guaranteeing the mobility of their coffee flows.

**Denis Maly**  
*Managing Engineer*  
*Port of Zeebrugge*



*Efico's seabridge*