

‘Princesse Abby’

floating crane shows her royal pedigree
in transshipment operations



The *Princesse Abby* floating crane has the ability to express innovation and efficiency in the seaborne supply chain to tackle the depressed mood in today's market

Since the beginning of her first coal transshipment operation

in Kalimantan (November last), the *Princesse Abby* has steadily performed well in excess of her guaranteed contractual loading rate. An average of around 200,000 tonnes of coal has been loaded each month, on behalf of PT Berau, at a daily average rate



of about 20,000 tonnes (best daily average performance 23,880 tonnes).

PT Mitra Swire CTM (an Indonesian joint venture between PT Mitra Bahtera Segarasejati, which looks after her operation and the commercial side and Swire CTM Bulk Logistics), awarded Logmarin the contract to translate their new floating crane concept into reality in the form of the *Princesse Abby*.

The *Princesse Abby* was designed, by Logmarin – Interprogetti, using proven technologies and by pooling skills, know-how and expertise with companies known worldwide in their field of expertise — Logmarin, Interprogetti, Liebherr, RINA (Registro Italiano Navale) and Peiner Smag.

This new concept of floating crane incorporates specific features for open water and heavy-duty conditions. Movement attenuation devices and suitable dynamic factors to cope with the stress and fatigue connected with the continued heavy duty work in open seas, were developed and incorporated in the design of the *Princesse Abby* to maximize the equipment availability for the ultimate benefit of the end user.

As a result of this, Logmarin’s floating crane concept is less susceptible to adverse weather conditions than some standard floating cranes.

The Liebherr crane incorporates specific features for open water and heavy duty conditions (thus maximizing the crane availability), four-rope grab configuration and the latest state of art CANBUS crane control system.

The coal grab and crane cycle time is enhanced by using a



Peiner 24.3m³ four-rope scissor lobster type of grab.

The basic *Princesse Abby* design (investment cost of less than US\$10 million) can be further tuned to meet specific requirements of the client. For example, it can be self-propelled, fitted with a sheltered area for steel products, containers, heavy lift, larger intermediate storage, RoRo ramp, western accommodation, helipad, etc.

As the result Logmarin’s new concept of floating crane can effectively compete (cost and performance wise) with the more expensive standard floating crane, both in open water and in ports with inland waterway transport connections, such as Hong Kong, Shanghai, Constanza and Europe’s northern range terminals as potential customers for mid-stream transshipment operations. **DC**

Dry bulk logistics ...



from software to hardware