

4B Braime Elevator Components Ltd 'Watchdog Elite' system brings 21st Century protection to a veteran ship-unloader



The worldwide manufacturer of Material Handling and Electronic Components, 4B Braime Elevator Components Limited, based in Leeds UK, has supplied its state of the art condition monitoring equipment to one of two veteran ship-unloading systems located at the Port of Tilbury on the River Thames. The Port is London's major gateway, handling significant levels of diverse cargo including the importation of paper as the UK's leading port, containers, grain, and various bulk handling facilities, all of which are handled at a number of berths both in dock and on river facilities. The Port's Grain Terminal facility handles around 1.5 million tonnes per year, making it one of the biggest in the UK.

The ship-unloaders, in the form of Marine Legs are the main component of two rail-mounted, mobile Marine Towers installed on the quayside in the 1960's. Based on the then well known North American 'Great Lakes' design, the Marine Towers are quite unique within the UK. Although the equipment is over 40 years old and has, since installation, handled many millions of tonnes of grain, it is still in excellent working condition and is a key element of the grain operations at the port.

Following a major overhaul of one of the Marine Legs in 2003/2004* it was decided to bring the condition monitoring right up to date and the 4B Braime Watchdog Elite system was chosen to be installed on the Marine Tower.



* Marine Leg overhauled by Stock Redler Ltd

