

Intermodal Technology Extends Supply Radius of Coal Fly Ash to New Markets

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InBulk Technologies has introduced its successful intermodal ISO Veyor technology from Europe to North America. Lafarge NA has purchased the first of 12 Type H 20 foot ISO Veyor units to transport powders from its manufacturing facilities in Central Canada by Rail to Marine Terminals for inter-coastal shipping to customers.

The ISO Veyor was first used in Britain to transport Fly Ash to the Heathrow Terminal Five Project from the Coal Fired Station located 100 miles away to a rail siding within 1 mile of the project site. To-date over 150,000 tonnes of fly ash have been delivered in this manner savings millions of road miles on congested highways. The 30 foot Type H ISO Veyor is loaded conventionally through top manholes with loading chutes from silos located over the railcars loaded with ISO Veyors two per car.

The ISO Veyors are then offloaded using widely available Reach Stackers and either directly loaded to flat bed trailers, or stacked on the ground 4 units high as temporary storage until required. The units in service now have over 2000 cycles with no down time or lost availability. The life of the ISO Veyor is over 30 years.

The North American application takes advantage of all three modes of transportation with rail, transfer to ship, and then unloaded to trailers for delivery to the customer in the Lafarge application 500 kilometers inland to a mine site.

Logistical studies and business cases have been completed for several cases, and savings over previously available use of conventional Pressure Differential Trailers, have netted 40% savings and payback periods of less than 2 years.

The key to ISO Veyor intermodal use in North America is more flexibility and options allowing an extension to current transportation modes, providing delivery at a lower cost, while accessing markets previously ignored due to constraints with available equipment and handling. ISO Veyor and the next phase of Intermodal equipment ISO Silo, will allow Coal Fly Ash to reach markets and applications and higher utilization of this valuable material.

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