

1500 SERIES

E-CRANE®

WORLDWIDE

Extraordinary Products by Extra Ordinary People



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Customer :	Global Materials Services
Type :	11264 PD-E
Location :	Puerto Ordaz, Venezuela
Application :	Barge Unloading
Material :	Bauxite
Mount :	Barge
Lifting Capacity :	19,0 Mton / 20.9 USton
Reach :	26,4 m / 86.5 ft
Attachment :	6.5 m³ / 8.5 yd³ Hydraulic Clamshell Grab
Power Source :	200 kW / 300 hp Electric Motor



In 2002 and 2003, two E-Cranes were installed at Global Materials Services in Venezuela. Both material handling E-Cranes are installed on a floating platform on mile 182 of the Orinoco River in Puerto Ordaz. The E-Cranes unload barges of bauxite into two hoppers also mounted on the floating platform.

Global Materials Services is contracted by the bauxilum company, which mines bauxite in central Venezuela. The bauxite is loaded into barges and shipped 350 miles downstream to Puerto Ordaz where the E-Cranes offload the material. This raw material is processed into alumina, the first step in the aluminum making process.

The E-Cranes at Global handle about 5.3 million tons of bauxite annually, but the material handling all takes place within 7 months, as the Orinoco is too shallow for barge transportation during the dry season.

The E-Cranes replaced two ship unloaders which required a lot of maintenance and could not achieve the production requirements. Global was in need of a faster and more efficient solution when the E-Cranes were chosen to replace the ship loaders.

The Operations Manager at Global, Mr. Louis Mok, states: “This is the real test for material handling equipment. We operate 24 hours a day, 7 days a week, for 7 months straight. For equipment to hold up as well as the E-Crane in this environment, I would say it has PhD credentials! I really like the E-Crane concept and execution. The machine is easy to operate and maintenance friendly.”

