tachment of a 600-tph ship loader, which will convert the Multiport to a Combiport.

The jetty belts, which have a combined capacity of 1,200 tph, are reversible and connected to the flour mill and oilseed crushing for both unloading and future loading operations.

Bedeschi, KE collaborate on project

In order to meet safety requirements while still reaching performance goals, Bedeschi along with Kilic Engineering (KE) collaborated to provide a unique preprocessing mobile unit for Cargill's facility in Adelaide Port, Australia. The unit was designed, engineered and commissioned for Cargill last year, and features a double track drive-over hopper, grains sampling, weighing and scalping. The new unit is able to load ships up to Panamax size at a capacity of 1,000 tph on grains and oilseeds.

The machine moves on rubber tires and is fully independent thanks to a diesel generator that can power the equipment for up to 20 hours without refueling. To comply with Cargill's safety requirements, instead of using traditional bucket elevators, Bedeschi designed a special version of its chain elevator, normally applied to ship unloading, to provide superior safety and dust-tight operations.

Applying this technology in a completely different scenario solved the issue of very narrow quay availability that would have allowed for loading just small barges. It also concentrated in a single machine what would have required several individual pieces of equipment, decreasing the operational efficiency.

Photo courtesy of Kilic Engineering

Kilic Engineering provided a double track drive-over hopper for the Cargill project in Australia.