



CSUs: a continuing success

the popularity of continuous ship-unloaders shows no sign of waning



Two 250tph VIGAN pneumatic ship-unloaders and a bulk loader installed at the Port of Mongla in 2015.



Louise Dodds-Ely

Bangladesh uses VIGAN machines to help with fast growth due to rising population

Bangladesh is not only considered as one of the most densely populated countries in the world, but it has also been identified as one of the world's poorest.

Despite this situation, Bangladesh deserves credit and admiration for achieving a remarkably high economical growth of more than 7% in 2017 — the second-fastest economic growth in the

world in 2016, according to the IMF (International Monetary Fund).

Bangladesh is historically a rice-consuming market, but recent years have seen a robust demand for wheat in the domestic market as many people are switching to flour given the high prices of staple rice.

As such, Bangladesh has emerged as a

leading wheat importer in the world, and the country imports generally around 80% of its total wheat consumption needs.

Shipments primarily transit via two seaports: Chittagong and Mongla.

The Port of Chittagong handles the vast majority of Bangladesh's export-import trade, but due to increasing congestion in Bangladesh's largest port, many interna-



First VIGAN pneumatic ship-unloader installed at the Port of Chittagong in 2008.

outlets for the feeding of two wharf conveyors. They are also equipped with a centrifugal three-stage VIGAN turbo blower and a main electric motor of 160kW, 400 Volts and 50 Hz. With their 25m-long suction boom, these unloaders make it possible to unload vessels at a rate of 200tph.

But the story of VIGAN in Bangladesh does not end here.

It is worth mentioning that VIGAN has also installed other types of pneumatic unloading machines in the country.

In 2012, VIGAN provided to Bashundhara Group a stationary pneumatic barge unloader of 200tph that was installed in Dhaka river port.

tional shipping companies have turned to Mongla as an alternative.

VIGAN'S ROLE IN BANGLADESH GRAIN IMPORTS

VIGAN benefits from a long standing cooperation with the Directorate General of Food of Bangladesh, a government department responsible for food management and policy in Bangladesh, and responsible for the import of foods under Bangladesh government contracts.

In 2008, VIGAN installed a first 250tph (tonnes per hour) pneumatic ship-unloader — 200kW — in the Port of Chittagong. In 2012, two additional pneumatic ship unloaders of the same type were installed for the same client in the same port.

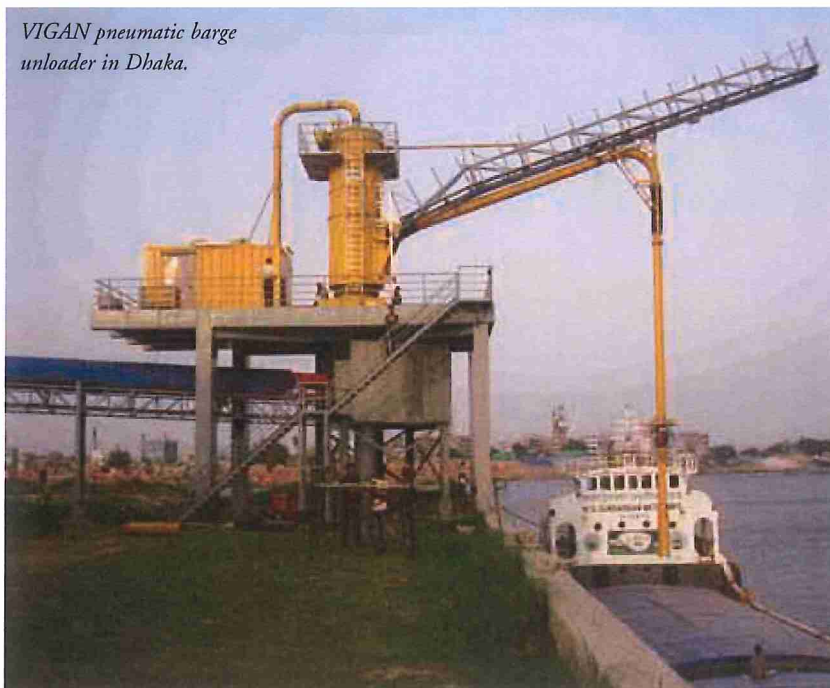
In 2015, Directorate General of Food ordered two further pneumatic ship-unloaders that were installed in the Port of Mongla, together with a bulk loader.



VIGAN pneumatic ship unloaders installed at the port of Chittagong in 2012.

These two machines are mounted on a mobile self-propelled gantry on rails equipped with a heavy duty inclined chain conveyor of ±16 metres long with two

More recently, in 2017, VIGAN also provided a portable grain pump type 120 to Borotakia Construction Company in Chittagong.



VIGAN pneumatic barge unloader in Dhaka.

NEW PROJECTS TO FIGHT POVERTY

The Minister of Food and the Project Director of Directorate General of Food are planning more Bangladeshi investments.

They are considering the use of VIGAN pneumatic unloaders for various strategic sites planned in the large Modern Food Storage Project ('MFSP') financed by the World Bank.

Modern storage facilities proposed for construction in different strategic locations across the country will allow the increase of the grain reserve available to households to meet their post-disaster needs. They will also improve the efficiency of grain storage management, reduce grain losses and enhance nutritional value of the grain distributed.

VIGAN would be proud to take part in MFSP project that will certainly contribute to lower poverty in a country such as Bangladesh.