



Grain

# Loading and unloading in the Amazon river

Siwertell has installed a grain handling system for both unloading and loading of soya beans as part of the floating terminal at Itacoatiara on the Amazon River in Brazil, elaborated for Hermasa Navegação da Amazônia SA.

## Customer

Hermasa Navegação da  
Amazônia S.A.

## Location

Itacoatiara, Brazil

## Siwertell installation scope

Terminal supply

Unloader model

Maximum barge size to unload

Rated unloading capacity

Ship loader model

Maximum ship size

Rated loading/unloading capacity

Siwertell barge unloader and ship loader  
mounted on a catamaran-type pontoon

Siwertell ST 790-F, rail-mounted

2,250 dwt

1,500t/h

Belt conveyor type, stationary

Panamax

1,500t/h

**Siwertell**





## Case story

The Siwertell continuous screw-type barge unloader, travelling on rails along the length of a catamaran-type pontoon, plays an important role in a floating grain transshipment terminal installed at Itacoatiara on the Amazon River in Brazil.

Mounted on the pontoon, which is 86m long and 35m wide, and serving as a platform for all discharging, handling and loading equipment, is also a ship loader of belt conveyor type - also supplied by Siwertell.

Soya beans arriving in river push barges from Porto Velho on the Madeira River are unloaded at the Itacoatiara terminal

and either conveyed into an intermediate storage on-shore, or transhipped directly into ocean-going ships at a rate of 1,500t/h.

The floating terminal concept, which has been elaborated for Hermasa Navegação da Amazônia SA, provides a useful and efficient link for waterbound transportation, as supposed to the road transportation system used previously to take soya beans from the hinterland of Brazil to export harbours.

Siwertell was chosen for the project in order to ensure environment-friendly and efficient transshipment operation.

### Main measures of barge unloader

Length of vertical arm	8m
Length of horizontal arm	13m
Rail gauge	7m
Height rail/horizontal arm	5.68m
Weight	152t

## Contact

Siwertell works closely together with representatives on all continents. Please contact our head office below and we will direct you to your local Siwertell contact.

### Siwertell AB

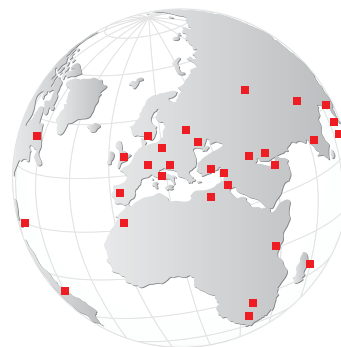
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The Siwertell product portfolio includes ship unloaders, mobile ship unloaders, ship loaders, horizontal and vertical screw conveyors as well as complete dry bulk terminal solutions. Virtually any dry bulk cargo can be handled and all Siwertell solutions are designed to ensure sustainable, efficient and safe cargo operations. Siwertell is part of Cargotec Corporation.



# Siwertell