



Greenfield Import, Storage and Loadout Terminal

CLIENT - Houston Cement Company

LOCATION - Houston, TX

COMPLETED - 2001

DESCRIPTION

Matrix PDM partnered with a construction firm to deliver an import terminal to handle 1.5 million tpy of cement.

Matrix PDM provided study phase services, exploring site layout and design concepts, and multidiscipline preliminary and final design, including silo design, control system programming and commissioning for the greenfield facility.

WORK SCOPE

- Consultation to provide customized solution to meet the client's operational needs and financial budget
- Six concrete silos with 100,000 ton storage capacity
- Unique hopper support structure utilizing internal supporting columns and precast concrete slabs to optimize support of the 65 foot tall hoppers
- External construction of hoppers and supports to save installation and labor costs
- Three lanes of automated truck loadout with 500 tph loading rate
- 1,900 tph inbound conveyor belt system, bucket elevator system, and air slide system
- State-of-the-art receiving and loadout rates with an advanced control system and inventory management
- Largest capacity cement ship unloader at the time in the United States, mounted on rails with an operating capacity of 1,500 mtpd

FOR MORE INFORMATION:

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