

DOS SANTOS



INTERNATIONAL

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BACKGROUND SUMMARY

More than 30 years experience in engineering and maintenance management associated with the growth and operation of a major USA Gulf transfer terminal whose business extended to all areas of the world. Major contributions in engineering, planning and management included the modifications and upgrades that kept the United Bulk Terminal at the forefront of technology and efficiency.

PROFESSIONAL BACKGROUND

Dos Santos International, Marietta, GA., 2010 – Present

Consultant, Field Advisor

Providing consulting and field advisory services including permitting, environmental impact, major equipment modifications.

Projects have included:

- Major expansion study United Bulk Terminal to provide concurrent stacking & reclaiming system capability.
- Design of temporary 3500 TPH Stack-out system for facility's continued operation during stacker-reclaimer's slew bearing replacement project.

United Bulk Terminal (formerly Electro-Coal Transfer/Teco Bulk Terminal)

Davant, LA 1979 - 2009

Terminal is a bulk material transfer and storage facility featuring 3000' feet of dock for ocean vessels, fleetings for over 250 river barges and 120 acres of product storage space. Major equipment included 2 continuous barge unloaders, 2 shiploaders, 2 stacker-reclaimers, 1 grab bucket unloader with associated conveyor systems. Products handled include coal, petroleum coke, iron ore, HBI, pig iron, scrap steel, phosphate, urea and other fertilizers.

Director of Engineering and Maintenance (2004-2009)

Responsible for all terminal routine maintenance and capital construction.

Major Accomplishments:

- Oversaw the major restoration of terminal buildings and bulk material equipment following flooding of entire terminal by Hurricane Katrina in 2005.
- Modifications of Dock System to accommodate discharge from self-unloading vessels

Director of Engineering (1985-2003)

Responsible for management of all capital construction and major equipment repair projects; overseeing work of all outside engineering consultants and construction contractors. Handled environmental permitting and compliance for terminal. Department conducted in-house operational and equipment efficiency studies as well as ROI projections for terminal expansion. Major projects included:

- Design and installation of new tripper for reclaimer-stacker to improve stocking capacity.
- Upgrade of drives for 1500 TPH grab-bucket unloaders – motor generators system to DC digital drives
- Redesign and installation of 3000 TPH continuous barge unloader's collection and take-away conveyors to increase thru-put and reduce spillage.
- Upgrade of boom shuttle conveyor belt line – 6000 TPH shiploader
- Feasibility studies for the potential siting of iron reduction plants (Midrex DRI and HBI plants) at terminal.
- Modification of grab-bucket unloaders to handle scrap steel and pig iron
- Conversion of storage yard from base coal foundation to soil cement foundation
- Conversion of self unloading ship cranes to 2 barge-mounted midstream crane rigs

Manager of Maintenance (1979-1984)

Responsible for bulk material plant maintenance. Oversaw the planning, scheduling of personnel and equipment for structural, mechanical, electrical and mobile equipment maintenance work.

Major Accomplishments:

- Assisted in project management of terminal's major expansion 1980-1984
- Implemented planned and preventive maintenance systems at terminal

United States Coast Guard 1972-1979

Student Engineering Officer – USCG Cutter Gresham (1973)

Assistant Engineering Officer – USCG Cutter Taney (1974)

Chief Engineering Officer – USCG Cutter Cherokee (1975-1976)

Marine Inspector – USCG Marine Safety Office Hampton Roads, VA (1977-1979)

- Duties and responsibilities involved the maintenance and operation of Coast Guard vessel propulsion plants and auxiliary equipment and the inspection of merchant vessel's hull/machinery at various shipyards.

EDUCATION

- Bachelor of Science – United States Coast Guard Academy 1972