

DOS SANTOS



INTERNATIONAL Email: marc at dossantosintl dot com

531 Roselane Street NW
Suite 810
Marietta, GA 30060

Tel: + 1 770 423 9895

Fax: +1 866 473 2552

Marcus J. dos Santos

BACKGROUND SUMMARY

Structural and mechanical engineer, responsible for complete management, design and implementation of various materials handling projects. Chief operating officer handling operation of business including basic accounting functions, personnel management, and high level financial decisions. Extensive computer skills employed in optimizing company software for advanced analysis and project development.

PROFESSIONAL BACKGROUND

Dos Santos International, Marietta, GA., July 1997 – 1998, 2004 - Present

Partner, Co-founder, COO

Co-founded company on worldwide experience, specializing in materials handling and engineering. Responsible for company operations including personnel matters, financial tracking, and project management

Projects have included:

- Engineering and design of seventeen (17) Sandwich-Belt High Angle Conveyor Systems throughout the world, with angles to 90°, lifts to 35m, and rates to 4000 t/h.
- Overland conveyor analyses, and improvement to software methods, utilizing DSI proprietary software, "**ExConTech**" The Expanded Conveyor Technology
- Complete supply of overland conveyor system, including seven (7) flights, both uphill and downhill, with soft start and stop by VFD. Three (3) units with horizontal curves. Optimized in-house software to analyze conveyor forces.
- Various rigging, reeving and hoisting studies and executions.
- Conveyor system start-ups and inspections.
- Preparation of budget and firm quotes for a variety of projects including:
 - Sandwich belt high angle conveyors
 - Long overland conveyors including horizontal and vertical curves
 - Material handling system upgrades and modifications
 - Plant, port, and terminal upgrade projects

Mid Technology Corporation, Medford, MA, July 2001 – March 2004

Aerospace Engineer

- Developed various approaches to use of smart materials for military and civilian applications.
- Developed communication system for data transmission through sealed containers.
- Researched and tested new methods of fuel injection for jet and diesel engines.
- Developed programmable tester for research of new piezo-actuated device.

DOS SANTOS



INTERNATIONAL Email: marc at dossantosintl dot com

531 Roselane Street NW
Suite 810
Marietta, GA 30060

Tel: + 1 770 423 9895

Fax: +1 866 473 2552

- Designed and assembled mechanical test beds and electronic devices.
- Involved in high-tolerance machining work and CAD design for prototyping and actual product manufacturing.

MIT Ocean Engineering Tanks, Cambridge, MA, : June 1999 - December 2001

UROF

- Made electrical and mechanical improvements to Robo-Pike robotic fish and began mechanical design and development of Robo-Muskie for propulsion research.
- Involved in computer aided design, assembly, testing and purchasing for projects.

EDUCATION

B.S. Aerospace Engineering with Information Technology, Massachusetts Institute of Technology, 2002.

PROFESSIONAL ACHIEVEMENTS

Publications:

- “Proven Performance, Lost Opportunity” in *Mining Magazine*, September 2008, Vol. 199, No. 3, Mining Communications LTD
- Co-authored “Fast-Starting and Maneuvering Vehicles: Robopike and Robomuskie” sent to International Symposium on Unmanned Untethered Submersible Technology (UUST)

Other:

- Designed and built structure and interfaces of ARGOS for the MIT CDIO project
- Developed web page for Dos Santos International
- Led three major renovation projects to improve living quarters at Phi Delta Theta Fraternity.

LANGUAGES

Proficient in Spanish

Read and write Portuguese and Spanish