

Thomas E. Hubbert, P.E.

Vice President of Engineering



BACKGROUND SUMMARY

Licensed professional engineer, with bachelors and masters degree in mechanical engineering. Over 30 years experience; including bulk material handling, unit handling, and manufacturing. Experience includes systems design, import/export terminal design, product research and development, continuous improvement, project management and engineering management. Specialties include design of high angle sandwich belt systems, long overland conveyor systems, booster drives, large capacity belt feeders, regenerative conveying systems, vibratory feeders, and idlers. Contributed to several CEMA standards and has served on various CEMA committees over the last 25 years.

PROFESSIONAL BACKGROUND

DOS SANTOS INTERNATIONAL

Marietta, GA, 2017 - Present (Vice President of Engineering)

Responsibilities:

- Design and development of advanced bulk material handling systems
- Engineering consulting
- Project development and management
- Mechanical and Structural analysis
- Standards and software development
- Training and field assistance



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SYNTRON MATERIAL HANDLING (FORMERLY FMC TECHNOLOGIES)

Tupelo, MS – 2017 (Engineering Manager, Engineering Director, Global Technical Services Manager, Continuous Improvement & Facilities Manager)

Responsibilities:

- Product development of conveyor components, bucket elevators, screw conveyors, vibratory feeders, vibratory screens and underground mining equipment.
- Research and development, product testing and test equipment development
- Continuous improvement, production automation and facilities support
- Sales, applications, purchasing, production and field service support
- Quality control and supplier development

TRANS-GLOBAL SOLUTIONS

Houston, TX – (Engineering Manager)

Responsibilities:

- Complete engineering of material handling systems
- Project management, design, procurement, manufacturing and field services
- Development of drawings, manual, standards and computer programs
- Structural and mechanical analysis
- Construction and shop detail drawings
- Quality control and construction supervision
- Petroleum Coke Deep-Water Export Terminal, Shell/Deer Park, TX

KINDER MORGAN (FORMERLY RIVER CONSULTING, INC.)

Metairie, LA – (Project Manager)

Responsibilities:

- Project management of large EPCM material handling projects
- Design of belt conveyors, pneumatic conveyors, air slides, dust collection, truck loading stations, barge loaders, ship loaders, storage bins, domes, roads and docks
- Development of site plans, flow schematics, general arrangements and standards
- Development of equipment specifications
- Technical evaluations of bids and site construction supervision
- Coal barge loading terminal, Land Between The Lakes, KY
- Cement Dome/Truck Loading Facility for Holnam Cement, Holly Hill, SC



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- Cement Import Terminal, Port of Charleston, SC
- Petroleum Coke Export Terminal for Sincor Oil Refinery, Venezuela

CONTINENTAL CONVEYOR & EQUIPMENT COMPANY

Winfield, AL – (Chief Engineer, Advanced Systems Dept.)

Responsibilities:

- Design of advanced conveyor systems
- Prototype development
- Sandwich belt design development
- Mechanical and structural calculations
- Software development and control of standards
- Project management
- Shop and field supervision

EDUCATION

Auburn University, Masters of Science, Mechanical Engineering – 1987

Auburn University, Bachelors of Science, Mechanical Engineering (with high honor) – 1984

Brewer State Junior College, Associates of Science, Engineering (with highest honor) – 1972

PROFESSIONAL CERTIFICATIONS

Licensed professional engineer

ASSOCIATIONS

Member of CEMA

- Served on committee

ACHIEVEMENTS

- Licensed professional engineer
- Author of roll concentricity requirements for CEMA 502 publication – 2014
- Co-author of “Evaluating Idler Performance”, 2nd International Conference on Material Handling Systems & Equipment, ADANI Mundra Port, India – 2011
- Co-holder of patent for Trippable Idler Roller Assembly for Belt Conveyors – Oct. 30, 2007, US Patent 7,287,642



- Co-author of “Chapter 2: Design Considerations”, CEMA “Belt Book” publication – 2004
- Member of a project team which received a “National Recognition” award from the American Consulting Engineers Council’s 2001 Annual Engineering Excellence Awards Competition in Washington D.C. presented to River Consulting, Inc.

TECHNICAL SKILLS

- Graduate studies emphasis in machine design and manufacturing processes
- Graduate minor in applied mathematics (Advanced Numerical Analysis)
- Knowledgeable in both mechanical and structural codes and practices
- Proficient in AutoCAD with training in INVENTOR and SOLIDWORKS
- Proficient in Microsoft project, excel, word, outlook, FORTRAN and Visual Basic Programming
- Knowledgeable in ISO 9001 standards
- Knowledgeable in US and European standards
- Knowledgeable in project management practices
- Knowledgeable in lean manufacturing processes
- Knowledgeable in Stage-Gate Product Development process

