

DOUGLAS A. KLUTHE

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Director of Engineering: Communicate, coordinate, control processes and report on all capital projects from inception to completion meeting the needs of all the stakeholders. Provide direction and priorities to project managers to execute projects according to priorities determined by the business to maintain highly efficient production facilities.

▶Direct \$100M Capital Budget for North America & deliver technical expertise to 11 Domestic Industrial Operations



Strategic Capital \$41M—Planned and coordinated five major Strategic Projects increasing production by 222M lbs.

1. Install a new processor, blending, and utilities, and replace two obsolete fillers with a single high efficiency machine. Working with packaging vendor to redesign the equipment to make it more sanitary & cleanable.
2. Install a new processor, segregate half gallon line, extension of plant based, and Packaging redesign upgrade.
3. Upgrade aerosol line from 210 CPM to 300 CPM, to a state-of-the-art gasser/shaker with sleever & Tripak upgrade.
4. Separate two lines increasing, batching and processing constraints optimizing product throughput.
5. Upgrade aseptic filler to run additional products and run 2 bags per minute faster.

Base Capital \$53M—Plan and coordinate capital for 11 facilities upgrading assets and replacing obsolete equipment.

- ▶ Upgrade facility equipment to reduce downtime as well as safety of the facility.
- ▶ Upgrade facility structure to maintain roads, roofs and floors to maintain quality.
- ▶ Upgrade facility utilities to update water, wastewater, refrigeration, steam, air and electrical for reliability and efficiency.

Sustainability \$8M—Committee select projects to meet our Social Responsibility and Environmental Pledges.

- ▶ Focus on reducing of corrugate non-recyclables as well as non-value-added components.
- ▶ Reduce water/wastewater by tracking usage and losses focusing on excessive use/loss areas.
- ▶ Improve utilities by recovery systems, efficiency upgrades and wasted energy.



B.S. - Mechanical Engineering | KENNEDY WESTERN UNIVERSITY

Corporate Career Overview

Corporate Director of Engineering | SAPUTO DAIRY FOODS - **Dairy - Nutrition & Plant Base Company** 2021 - 2024

- ▶ Capital Planning, Coordinating, executing projects, Report Capital plan progress, Coordinate financial closing projects.
- ▶ Direct three Regional Project Engineers driving improvement and operational excellence for 11 dairy facilities.
- ▶ Directs capital planning and strategic project implementation for 11 facilities, with a budget of \$100M annually working with Sales, R&D, Production, Safety, Quality, and Maintenance delivering desired scope on schedule and within budget.
- ▶ Serve as a technical resource for 11 dairy facilities supporting quality, safety, maintenance and operations. Provide expert support for plant projects leveraging knowledge of OSHA, NFPA, EPA, Hazmat, PSM and facility management.
- ▶ Manage Capital Project policies and procedures & collaborate with local, state, and federal agencies as required.

Regional Corporate Engineer | SAPUTO DAIRY FOODS - **Dairy - Nutrition & Plant Base Company** 2013 - 2021

- ▶ Directs capital planning and strategic project implementation for multiple facilities, working cross-functionally with Safety, Quality, Maintenance, and Production, delivering desired scope on time and within budget.
- ▶ Serve as a technical resource for multiple facilities supporting quality, safety, maintenance and operations.

- ▶ SAP SME ERP Integration for maintenance with Saputo.

Senior Corporate Engineer | TARGET CORPORATION – **Distribution & Retail Company** 2010 – 2013

- ▶ Directs capital planning and strategic project implementation for numerous Food Distribution Centers, working cross-functionally with multiple divisions, delivering desired scope on time and within budget.
- ▶ Serves as technical resource for domestic operations spanning 36 distribution facilities, developing the lifecycle management of the equipment specializing in industrial refrigeration systems for automated food distribution centers.
- ▶ Initiated an equipment performance matrix measuring facility operations throughout the distribution centers.
- ▶ Develop the Process Safety Management Program to mitigate safety risk supporting the business and brand.

Senior Corporate Engineer | AGRANA FRUIT COMPANY - **Global Yogurt and Fruit Prep Company** 2004 – 2009

- ▶ Directs capital planning and implementation for six North American facilities with accountability for \$25M annual budget and initiatives ranging in value from \$100K to \$10M+; oversaw up to 25 staff per project and coordinated cross-functionally with eight departments, as well as with consultants and contractors.
- ▶ Serves as technical resource for global operations spanning 22 facilities in 15 countries, supervising two corporate process engineers in evaluating proposed alterations to aseptic processes/technology; established formal change request procedure to handle hundreds of submissions, along with quarterly meetings to prompt idea exchange.
- ▶ Initiated quarterly review of forecasts to set capital planning strategy, e.g., relocated product from Fort Worth to Ohio and spearheaded \$2M relocation of chocolate flake production from Germany to US in stride with buying trends.

Facility Career Overview

Plant Engineer | MICHAEL FOODS COMPANY - **Egg Processing Company** 1998 – 2004

- ▶ Plan, design, and coordinate the installation of equipment for large facilities, including processing, utilities, electrical, plumbing, building management, and structural.
- ▶ Request quotes from contractors & vendors, provide AutoCAD layouts, coordinate installations, schedules and execution of projects.
- ▶ Steered ~25 capital projects annually totaling \$10M+ to on-time, on-budget completion for liquid/drying facility.
- ▶ Supplied leadership to 48-member organization world class maintenance department and conducted training in management, mechanics, and specialized topics; mentored and developed supervisors for 17 distinct line operations.
- ▶ Selected and deployed MP2 maintenance management software; later rolled out SAP to increase transparency and enhance decision-making and became designated “power user.”
- ▶ Completed 13-point process safety management (PSM) requirements for ammonia refrigeration, including detailed risk analysis and emergency/disaster scenario planning to comply with regulatory mandates.

Process Engineer | MICHAEL FOODS COMPANY - **Egg Processing Company** 1992 – 1998

- ▶ Paired responsibility for utilities management comprising four direct reports and 40 employees with process engineering role, utilizing AutoCAD to upgrade machine design and implementation under tight sanitary regulations.
- ▶ Networked plant via 120 PLC, SLC, HMI, Ethernet, and RS View stations, offering historical data management, improving process flow, CIP systems trimming nine FTEs.
- ▶ Developed and maintained systems to manage electrical, boiler, steam, combustion, HVAC, refrigeration, chillers, cooling towers, evaporators, and water/wastewater facilities.

Continuous Process Improvement—Combines efficiency and quality within complex, highly regulated environments.

- ▶ Proved instrumental in strategic placement and **new construction** of \$15M, 150,000-ton capacity plant; created **state-of-the-art** facility with fully compliant S-88 batch processing capabilities with specialized CIP/SIP systems.

- ▶ Boosted production throughput 75+ million pounds in five years for 275,000 sq. ft., USDA/FDA-regulated egg processing facility with 700 employees; leveraged Lean techniques, engineering strategies, and employee training.
- ▶ Raised yields 5% and “first pass” quality 3% for 100 million pounds of industrial, foodservice, and retail products, sustaining GMP, AIB, 3A, SPC, Kosher, HACCP, and internal standards.

Innovation—Applies technology to realize gains in production capabilities and achieve cost-savings.

- ▶ Devised first-ever automated CPG in-shell egg pasteurization and packaging system for hard-boiled products, including complete line development and complex printing solution for variable, rounded surfaces.
- ▶ Cut energy costs 18% by installing automated controls, monitoring systems, and heat recovery solution.
- ▶ Devised an automated bilingual bulk chemical dispensing and tracking system.

Previously Instruments Supervisor & Instruments Mechanic (maintenance), TYSON FOODS (IBP Inc.) - Meat Packing Company