



SOLUTIONS PMG
PROJECT MANAGEMENT GROUP

We Offer Professional Project Management and Engineering Services to Help your Food Manufacturing Facility Operate More Efficiently and Safely

- **Design and Implement New Food Processes**
- **De-bottleneck Existing Material Handling Operations**
- **Updating Your Process Automation and Control**
- **Supply and Install Infrastructure Improvements**
- **Conduct Feasibility and Optimization Studies**
- **Provide and Certify Safety Solutions for Regulatory Compliance including OSHA Pre-Start Reviews**
- **Supply Drawings and Documentation to Achieve CFIA Recognition**

Solutions PMG is focused on providing food manufacturers with innovative new technology, cost efficient facility upgrades and turn-key projects to meet your goals in today's competitive environment.

AREAS OF FOOD EXPERTISE

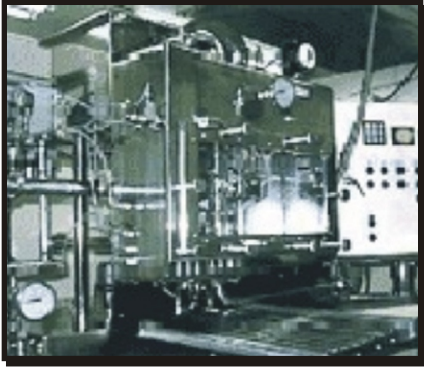
- Cheese and Dairy Products
- Snack Foods
- Soup and Sauces
- Food Service Products
- Frozen Meat and Vegetables
- Raw & Cooked Meats
- Ingredient Handling
- Thermal Food Processing
- Frozen Food Processing
- Cereal and Bakery

SOLUTIONS PMG INC.

Food Manufacturing Division



PROCESS SUPPORT

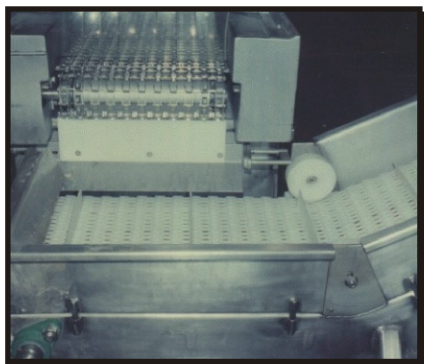


Process solutions for optimization.

- Filling systems for liquids and solids
- Cooking processes which include ovens, fryers, dryers, smoking and proofing equipment
- Blanching and sterilization
- Blending, screening, grinding and batching
- Sanitary pipe systems, pumps, kettles and tanks for product flexibility
- Raw meat processing and packaging
- Sanitation cleaning and CIP systems to meet HACCP, 3A, USDA requirements

PACKAGING & MATERIAL HANDLING

De-Bottlenecking solutions to improve operating efficiencies.



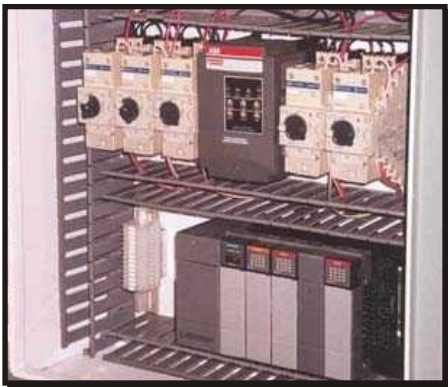
- Case formers, sealers, shrink-wrapping, palletizing
- Material handling and conveying (belt, vibratory, augers, bucket elevating)
- Pneumatic conveying, unloading, storage of flour, salt, sugar, grains, cereal
- Packaging inspection, product sorting, check weighing, metal detection, X-ray
- Bulk tote dumping, bag filling, ingredient feeders
- Ingredient mixing, size reduction and dust control

AUTOMATION, CONTROL, SAFETY



Update technology for ease of operation and guarantee repetitive performance.

- Automation, PLC control and operator control interfaces
- Process control and loop systems for flow, pressure, level and temperature
- Sequence, positioning, staging and safety controls of food process and machinery
- Servo motor and drive controls
- Safety interlock, machine safety devices to meet OHSAPSR requirements
- Process flow and instrument diagrams
- Hydraulic and Pneumatic control systems for remote operation of valves and motion drives



FACILITY SERVICE SYSTEMS AND STRUCTURES



Improve process access and reliability of utility systems to reduce production downtime.

- Structural frames, production and warehouse buildings, platforms, catwalks, hoists, monorails
- HVAC exhaust, makeup, dust control and air filtering
- Process freezing, cold room facilities and freezers
- Effluent treatment, waste product recovery, incineration, dust removal air filtration
- Building specifications and drawings required for CFIA approvals for food facilities
 - Raw & Cooked Meats
 - Ingredient Handling
 - Thermal Food Processing
 - Frozen Food Processing
 - Cereal and Bakery



OUR SERVICES INCLUDE

Services are tailored to your specific needs to meet your budget, schedule and industry constraints.

Project Management Services:

- Project costing and schedule development
- Supply request for quotation (RFQs) packages
- Select contractors and manage contractor contracts
- Track activity, costs, manage risks and scope changes
- Supervise installation and provide startup support
- Research technology and evaluation of equipment and process
- Feasibility and cost justification reports
- Equipment design, process integration, drawings and specifications
- Supply of process flow and instrument diagrams
- Develop required designs and drawings including structural, mechanical, process and electrical areas
- General arrangement drawings of equipment, process, packaging and warehouse systems
- Prehealth & Startup (PSR) submissions and safety audits to meet OHSA regulations
- Specifications and drawings for process automation, controls and power
- Programming and logic development of AB and Omron PLCs

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Your Vision ↔ *Our Mission*

