

# POMONIK CONSULTING, INC.

"CHAOS REMOVAL SERVICES"<sup>SM</sup>

## George M. Pomonik

### Overview

George Pomonik provides support services in management, team building, engineering, and marketing. A consultant since 1983, he has helped a wide range of organizations improve their teamwork, speed, quality, costs, and customer satisfaction. His tag line is "Chaos Removal Services".

He works with clients to increase their focus on defining and achieving key goals. He has even helped develop solutions when prior internal attempts had not worked. George tailors his support to the organization's needs, including:

- Assessment of issues and root causes
- Working with teams of stakeholders to assure sound decisions and cooperation
- Development of goals, strategies, tactics, and plans
- Team building, communications improvements, facilitation of change, coaching, and counseling
- Process mapping and improvement, and the development of implementation plans
- Hands-on implementation of improvements

Clients have included organizations in

- Aerospace and defense
- Electronics and instrumentation
- Ocean systems and offshore oil and gas
- Industrial products
- Law enforcement

Prior to consulting, his background included roles as VP of Engineering, VP of R&D, Marketing Manager, Project Manager, and Engineer. George's hands-on engineering and management experience adds practical insights to his operational support and improvement work.

He received his degree in Mechanical Engineering in 1961, and has postgraduate training in management, systems engineering, marketing, finance, and communications. Community involvement has included the Community Advisory Council for a local school and the Institutional Review Board for a local hospital.

His technical experience includes spacecraft, missiles, structural dynamics, instrumentation and test, ocean engineering, offshore petroleum technology, systems engineering, proposals and cost estimates, and the design, development and evaluation of new products. He has five patents related to that work.

*Attached is a career summary and examples of project successes.*

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### Selected Career Highlights

Spaceway, DIRECTV 10/11, and TSAT satellites	Oil field machinery
Crime Lab productivity	Life cycle cost models and trade-off studies
Telecommunications equipment	Offshore marine terminals
High speed flywheels for energy storage	Floating production systems
Environmental stress screening	Vibrating pile driver/extractor
Production test equipment	Subsea acoustic devices
Transducers – high production rates	Deepwater platform instrumentation
Laser instruments	Marine risers
Environmental test chambers	Ocean Test Structure project
Centrifugal liquid-liquid separators	Model basin tests
Transport vehicle studies	Hughes Glomar Explorer
Wind tunnel and flight tests	Heave motion compensators
Shock and vibration design guide	Ocean Thermal Energy Conversion
TOW missile system	Ocean mining systems
Syncom satellite	Specialized transducers
Surveyor lunar lander	Shipboard oil/water separator
Atlas missile guidance system	Structural monitoring systems

### Services

#### Management

- Improve overall operational processes
- Strategic plans and business plans
- Improve cycle time, costs, and quality
- Assess needs
- Process mapping
- Develop cross-functional teams
- Improve communications and meetings
- Manage operations and programs
- Improve customer satisfaction
- Build teams and focus on achieving goals
- Cost benefit trade-offs and value analysis
- Integrated product development
- Staff planning and recruiting
- Seminars and workshops
- Facilitation, coaching, and counseling
- Project postmortems and lessons learned
- Change agent and champion of improvements
- Hands-on implementation of improvements

#### Engineering and Technology

- Specifications and requirements
- Project development and planning
- New concept development and design reviews
- Environmental test and stress screening
- Shock and vibration engineering and test
- Ocean engineering, including mooring systems
- Product test and qualification
- Special test equipment
- Systems engineering
- Project management
- Operations and maintenance manuals

#### Marketing and Sales

- Proposal development and presentations
- Market assessment and surveys
- Marketing plans and sales projections
- Cost models and estimates
- Sales literature and definition of product benefits

### Experience summary

#### Consultant 1983 - Present

Assisting with improvements and innovations in management, technology, and marketing

#### Vice President/Operations Director 1977 - 1983

IMODCO Inc.; Applied Research, Inc.; InterOcean Systems, Inc.

#### Engineering, Management, and Marketing 1961 - 1977

Mechanics Research, Inc.; Hughes Aircraft Co.; American Bosch Arma Corp.

#### Degree

B.M.E., Mechanical Engineering, CCNY, 1961, with postgraduate studies in management, technology, marketing, finance, and communications.

## **George M. Pomonik**

### **Examples of successes**

#### **Program office support**

Supported a billion-dollar satellite program, including integration with the procedures of a new parent company, best practices, cycle time improvement efforts, risk management, improvements in communications, teamwork and alignment, and other means for achieving fast, high quality results.

#### **Field support improvements**

Formed a council of managers of service centers, engineering, and manufacturing, to improve company-wide field support processes for a heavy equipment company. Resulted in cost reductions, significant improvements in the response to customer issues, with corresponding increases in customer satisfaction.

#### **Specification for a new facility**

Researched needs, conducted interviews, and developed a specification for the test and data center for a new assembly and test facility planned by a satellite design and production company.

#### **Quality improvement support**

As part of an effort to improve overall company Quality, supported improvements in the Quality Strategic Plan, integration with the policies of a new parent company, management reviews, configuration management, and integration with Lean Initiatives. Also provided hands-on support of Quality activities.

#### **Resolve serious operating problems**

In order to resolve serious and costly operating delays and stoppages, formed and facilitated a cross-functional team to develop and publish an operating manual and troubleshooting guide for complex control systems for automated offshore drilling equipment.

#### **Program management best practices**

Supported program management best practices assessments for a satellite program, including development of a program execution plan. Also conducted a series of dialog sessions on goals, effective communications, dealing with change, and other subjects to help people with alignment and productivity.

#### **Production test cost reductions**

Resolved the ambiguities in production test specifications, suggested modifications to meet the same needs at lower costs, and helped implement the changes. Program saved more than \$8 million.

#### **Program assessments and postmortems**

Conducted program assessments and produced postmortem reports for floating production, storage, and offloading systems for deepwater oilfields. Supported implementation of improvements for future programs.

#### **Improve the quality and speed of complex requirements**

Facilitated a senior-level team addressing well-focused, early definition of aerospace program requirements. Reduced a one year cycle time by more than 4 months. The process has become a permanent way of doing business.

#### **Operations integration and quality improvement**

A number of high tech product lines were relocated to a single site. Each organization had different operating systems. Supported the Director of Quality's effort to reduce the cost-of-poor-quality, and develop and implement centralized quality processes.

#### **Strategic planning retreat**

Organized, facilitated and followed up on a strategic planning retreat for a branch of a government aerospace agency. Improved the definition and understanding of goals and the related strategies.

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### **Examples of successes (continued)**

#### **Increase throughput while maintaining quality**

Coached and facilitated process improvement and team building sessions for a unit of a major crime lab. Resulted in a practical road map for significantly increasing throughput and reducing a large and growing backlog of evidence, while maintaining quality.

#### **Coaching and counseling**

Supported company-wide continuous process improvement activities, including the review and critique of Integrated Product and Process Development activities, coaching of internal consultants, and assisting with the implementation of improvements.

#### **Long range planning**

Helped large and small organizations with strategic planning and long-range planning. Assisted with plan development, review, recommendations, market assessments, forecasts, growth strategies, business plans, staffing strategies, integrated planning, and business process improvement.

#### **Design cycle improvement**

Helped an engineering and manufacturing company reduce new product release time from 18-24 months to less than 10 months. Also implemented effective teamwork, process mapping, and other techniques that resulted in permanent improvements in workflow, communications, and meetings.

#### **Continuous process improvement**

Counselor and facilitator for continuous measureable improvement teams, for an aerospace company. Included both technical and business process support.

#### **Improvements of publications**

Applied techniques using information modules and storyboards to quickly organize and complete proposals, brochures, reports, and manuals. Benefits included timely delivery, comprehensive content, efficient development, and clear reflection of upper management's ideas.

#### **Research and engineering**

Directed and conducted research, engineering, design, and model basin studies for ocean systems, including single point mooring terminals, rapidly deployable terminals, an LNG receiving terminal, deepwater floating production systems, instrumentation systems in severe environments, and the Hughes Glomar Explorer program

#### **Operations and maintenance manuals**

Organized and produced operations and maintenance manuals for industrial products and floating production systems. As part of this, identified and resolved open engineering issues.

#### **Life cycle costs**

Developed life cycle cost models and trade-off studies for deepwater oil and gas production systems.

#### **Design improvement teams**

Coached several aerospace design improvement teams. Dozens of innovations were implemented. Exceeded targets of 25% improvements in costs and cycle time, while maintaining high quality.

#### **Proposal support**

Coordinated and developed the Work Breakdown Structure (WBS) for a multi-billion dollar satellite proposal, and supported other Integrated Management Framework (IMF) activities.