

## EXPERTISE

- Business Leadership
- Laboratory Information Management Systems
- Manufacturing Performance
- Process Definition and Analysis
- Quality Management Systems
- Software Design
- Statistical Process Control
- Training

## EDUCATION

Master of Business Administration, 1996, Olivet University, IL

Bachelor of Science, 1991, Analytical Chemistry, Indiana University, IN

## PROFESSIONAL HISTORY

MAP America, Inc.: 1997-Present; President & CEO

M&H Enterprises: 1995; Business Manager

Henkel Teroson: 1993-1994; Manager Quality Assurance, Technical Service, and Technical Support

Henkel Industrial Chemicals: 1993; Group Leader, Quality Control

1991-1992; Supervisor, Quality Control

American Maize: 1988-1991; Process Analyst, Quality Control

## EXECUTIVE PROFILE

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Christopher A. Lemp is a business leader and process consultant for MAP Data Systems and MAP Engineering in Chicago, Illinois. He supports clients' needs through consulting, process assessment and evaluation, process measurement, and program development, training, deployment, and adoption in a variety of areas, such as:

- Manufacturing process improvement (6 $\Sigma$ /SPC/SQC)
- Metrics and analytic systems design and implementation
- Multi-year, multi-facility project management
- Product commercialization
- Product quality improvement
- Software systems design and implementation

An experienced Master Black Belt, Mr. Lemp leverages his knowledge of best practices and expertise in quality systems, SPC, and the DMAIC process to assist clients in the design and implementation of technology-based solutions, focused on improving process efficiency and repeatability, yielding increased productivity, improved product quality, and reduced costs.

## PROFESSIONAL EXPERTISE

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With nearly thirty years of professional leadership, business management, and information technology experience, Mr. Lemp has developed proven skills in the following areas:

**Business Leadership:** Mr. Lemp's experience in business leadership and management includes: accounting and finance, business differentiation, contract development and negotiation, cultural assessment, employee hiring/termination, market assessment, sales (including sales-to-delivery process definition and management), strategic alliances, and teamwork development. More than five successful business start-ups highlight Mr. Lemp's leadership skills.

**Manufacturing Performance:** Mr. Lemp's experience in manufacturing is broad and depthful, and has included: cost accounting, information systems, maintenance, process engineering, production, quality assurance, quality auditing, quality control, specification management, and safety.

## **AFFILIATIONS / CERTIFICATIONS**

American Society for Quality  
Certified Quality Engineer

Certified Lead Assessor  
British Standards Institute

Learning as Leadership  
1-Year Leadership  
Development Program

## **PUBLICATIONS/ PRESENTATIONS**

Developing a Successful  
Strategy for Leveraging  
SPC and SQC – MAP,  
multiple US locations,  
2002 - 2013

Implementing SPC – MAP,  
multiple US locations,  
2000 - 2011

Web-Based Manufacturing  
Metrics –ISA, New  
Orleans, LA, 2000

On The Statistical Side –  
Suite Talk Magazine, 1999

SPC Best Practices – Suite  
Talk Magazine, 1999

Reducing The Cost of Poor  
Quality – MAP, multiple  
US locations, 1997- 1998

Electronic Document  
Management for Quality  
Assurance Systems –  
PCD National, Orlando,  
FL 1996

Choosing a Quality Systems  
Registrar – Quality  
Week, Chicago, IL 1995

**Process Definition and Analysis:** Mr. Lemp's expertise in process definition and analysis is certainly one of his greatest strengths. Spanning new product commercialization, manufacturing, and business processes, Mr. Lemp is especially skilled at working with client teams and workgroups to document existing processes, to identify process improvement opportunities, to develop a sound strategy for achieving improvement, and to quantify the savings and ROI associated with improving the process.

**Quality Management Systems:** Mr. Lemp has led successful ISO9000 and QS 9000 program implementations and registrations around the world, including one of the first implementations of QS9000 in a process-manufacturing environment. Mr. Lemp is a Certified Lead Assessor through the British Standards Institute.

**Software Design:** Over the past 15+ years, a primary activity of Mr. Lemp has been the identification of business needs and the design and selection of custom and commercial software systems to meet those needs. Mr. Lemp has helped his clients design, develop, and implement software solutions, typically within the context of existing EPR/MES/HMI/SCADA environments, that enable: audit trail (compliance), corrective and preventive action (CAPA), document management, laboratory information management (LIMS), management of change (MOC), performance measurement, product commercialization, product certification, quality auditing, quality data management, specifications management, statistical process control (SPC), statistical quality control (SQC), and workflow.

**Statistical Process Control:** Mr. Lemp is recognized as a foremost authority in developing successful commercialization and manufacturing strategies that leverage on-line statistical process control (SPC) techniques and software for process variation reduction, and off-line statistical quality control (SQC) techniques and software for long-term process improvement. Mr. Lemp is a Certified Quality Engineer and Master Black Belt with proven skills in applying statistics and Six Sigma methodologies to achieve quantifiable improvements in manufacturing and business processes.

**Training:** Mr. Lemp has designed and facilitated a broad variety of training workshops for process improvement, quality improvement, statistical process control, software implementation, and strategic planning.