



ADVANCED MANUFACTURING GROUP



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## REVITALIZING AMERICAN MANUFACTURING

OPERATIONAL ADVISORY SERVICES  
FOR UNDERPERFORMING BUSINESSES





## OUR MISSION

At Advanced Manufacturing Group we are committed to our mission of assisting underperforming domestic manufacturing companies through the application of proven, progressive manufacturing management methods and their enabling support systems. Our integrated approach is aggressive, time sensitive, and delivered by highly experienced professionals. We utilize a coordinated set of practices combining operations, lean

production and supporting methods and flows, manufacturing engineering, and costing proficiency to improve business performance. Our work relies on significant involvement from the people at our client organizations. We assess, instruct, and work with management teams to rapidly implement a blueprint to world-class manufacturing and profitability.

## OUR PHILOSOPHY

The foundation for our business at AMG is the belief that the solutions to most domestic manufacturers' cost and performance challenges lie within their own walls rather than in a high-risk distant country solution. Rather than transferring our clients' operations to another part of the world, we bring the world's best

production practices to our clients' operations. Our professionals have the skills and experience to guide you through a rapid operational transformation to render your business immediately more competitive and profitable.

## INDUSTRY AND PROCESS EXPERIENCE

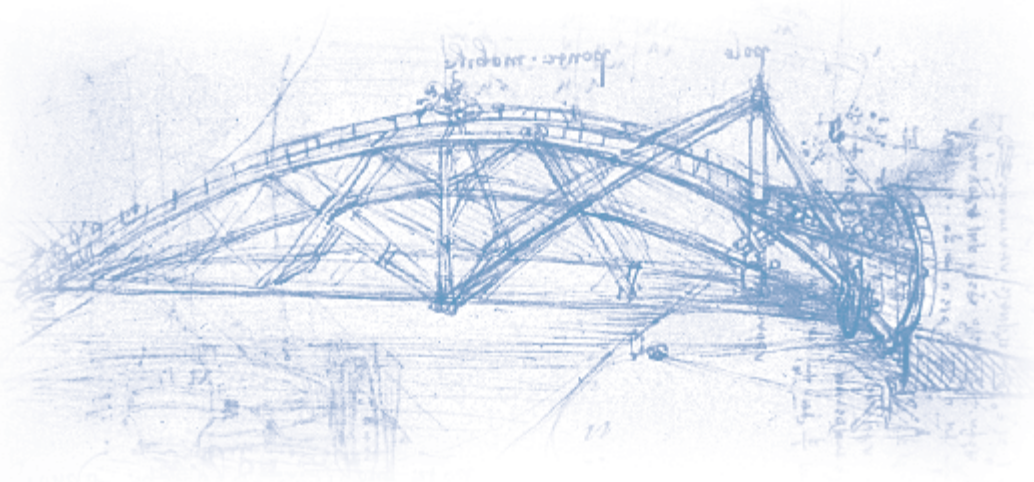
- Aerospace
- Assembly
- Automotive
- Metal-forming
- Paint, e-coat, powder-coat
- Paper processing
- Plastic molding
- Printing
- Printed circuit board assembly
- Semiconductors and equipment
- Service providers and processes
- Specialty chemicals
- Transportation - heavy truck
- Warehousing and distribution
- Welding

## OUR EXPERIENCE

AMG is comprised of professionals with advanced degrees in engineering, MBAs, PhDs, professional engineering designations, and other advanced areas of study including certified quality engineers and production and inventory control specialists. Several AMG professionals have spent extended periods of time and work experience in leading technical areas and countries around the world. Each was selected for their unique combination of technical and specialty management skills and their ability to effectively guide clients through rapid periods of change. Our professionals have an average of 25 years of experience in a variety of manufacturing and engineering management, quality, and cost management roles. With an

emphasis on lean manufacturing and other proven production management systems, AMG's professionals differ in one very important way from professionals at other operational consulting firms: their ability to drive change quickly and effectively.

Central to our core practice is our dedication to serving our clients with integrity and confidentiality, always with a particular emphasis on providing value-added solutions in a cost-effective manner.



## OUR SERVICES

### OPERATIONAL TURNAROUND CONSULTING

Our core practice area at AMG is our Operational Turnaround service. Working with speed and agility, our professionals apply world-class techniques and methods to quickly drive change and results, while engaging your most important employees and constituents to ensure sustainability of the changes. Covering nearly every functional discipline within operations, our professionals quickly assess the opportunities for greater profitability and develop a plan of action for rapid improvement. Concurrently, our professionals assess the capabilities of your management team and determine best roles based on skills, interest, energy and commitment. We don't waste time. Our assessments lead to changes in operating patterns, production practices and systems, and costs, very quickly. You should expect rapid change, because we do.

- Lean manufacturing opportunities and rapid implementation
- Cost and part profitability analysis
- Cost reduction planning and implementation
- Plant floor layout and process flow analysis
- Inventory management practices
- Rationalization of plant capacity
- Labor, material and freight cost analysis
- Scrap reduction methods and systems



# MANUFACTURING ENGINEERING CONSULTING

AMG's Process Engineering professionals are highly skilled and experienced manufacturing experts ready to assist with critical projects:

- **Rapid cost reductions and productivity gains**
- **Restoring quoted process cost and performance integrity**
- **Manufacturing process integration and optimization**
- **Application of advanced manufacturing improvement methods**

Our team includes technical project managers experienced in using a variety of proven disciplines to drive rapid process improvement:

- **Process de-bug and stabilization**
- **Flexible manufacturing process design**
- **Development of production standards and visual management techniques**
- **Facility layout and process flow design and implementation**
- **Value Stream Mapping (VSM)**
- **Process monitoring and reaction plan practices**
- **Focused Kaizen events**

**SIMULTANEOUSLY IMPROVING  
PROCESS PERFORMANCE AND  
REDUCING COSTS**

## COST ACCOUNTING CONSULTING

Many businesses require a greater degree of clarity about where costs are actually incurred and on which products, product lines and customers profits and losses are made. Greater in importance than almost any other initiating information, this analysis has to be right in order to enable the best corrective steps.

This analysis leads to clarity on problems related to:

- **Labor or material costs vs. quote, per product**
- **Processing efficiencies vs. quote**
- **Problems with standards or quoting processes**
- **Pure pricing problems or outdated manufacturing strategies**

AMG professionals can perform these costing analyses separately or work with your in-house costing expertise to develop a representative model for quick decision making.



## INTERIM MANAGEMENT ROLES

Chief Operating Officer

Operations and  
Engineering V.P.

Quality Manager

Purchasing Manager

Productivity Manager

Shipping and Receiving  
Manager

Production Control  
Manager

Material Control  
Manager

Engineering Manager

## DUE DILIGENCE SERVICES

Frequently our clients require our operational expertise at the front-end of potential transactions to assess the veracity of information and the capability of systems, practices, manufacturing performance, and incumbent management. AMG offers a comprehensive, coordinated approach to business evaluation and due diligence initiatives.

Utilizing the expertise gained from our core practice areas, and coordinating with other professional firms as necessary, AMG has developed due diligence expertise in response to the needs of:

- **Company ownership or equity participants intending acquisition or divestiture**
- **Lenders with debtor concerns or debtor proposals**
- **OEM concerns about suppliers or prospective business placement**

## INTERIM MANAGEMENT

From time to time it is necessary to fill key operational roles for an interim period while permanent staffing decisions are made. Our team of operations and engineering professionals and former

executives has the ideal background for many of these roles. AMG's professionals have taken on many interim roles in a variety of different situations.



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