

Support for the U.S. Military Industrial Base

Arvin Global Solutions, LLC (AGS) is a veteran owned manufacturing consulting firm which integrates the resources of a skilled team of **150 associates** who are among the best in the business. We also work in conjunction with the Illinois Institute of Technology (IIT)

AGS provides the American Defense Manufacturing Industry with a comprehensive mix of services aimed at maximizing productivity, efficiency, and cost savings.

Services of Arvin Global Solutions

AGS offers the following services in support of the U.S. Military and their manufacturing operations, as itemized by NAICS Code.

- 611430 – Professional and Management Development Training**
- 611710 – Educational Consultanting**
- 541613 – Marketing Consulting Services**
- 541614 – Process, Physical Distribution, and Logistics Consulting Services**
- 541618 – Other Management Consulting Services**
- 541620 – Environmental Consulting Services**
- 541420 – Industrial Design Consulting Services**
- 541330 – Industrial Engineering Services**
- 541690 – Chemical Consulting Services**
- 541330 – Chemical Engineering Services**
- 423830 – Water Treatment Equipment Industrial, Merchant Wholesalers**
- 237110 – Water Treatment Plant Construction**
- 924110 – Waste Management Programs Administration**
- 221310 – Water Treatment and Distribution**

www.ArvinGlobalSolutions.com
CAGE Code: 7W2F3



AGS provides a leading team of Resource Consultants with extensive manufacturing expertise for increasing productivity, efficiency and cost savings for military applications.



As a veteran owned small business, AGS is proud to support the U.S. Military



Mission of Arvin Global Solutions

History has clearly shown that manufacturing is the lifeblood of any economy. In fact, manufacturing has been behind the economic success of every country since the postwar era. However, over the past thirty years, the American manufacturing sector has faced ever increasing competition in the global marketplace. As a result, billions upon billions of dollars are leaving the U.S. economy every year in the form of payments for imported products. This deficit has had a damaging effect on all aspects of the American economy and the standard of living for millions of Americans.

At **Arvin Global Solutions (AGS)**, we believe that in order for America's standard of living to prosper, and to retain the industrial strength as a world leader, there must be a strong U.S. Industrial Base which can successfully compete both domestically and in the world market while meeting the manufacturing needs of our Military. For this reason, **AGS** was established to assist manufacturing companies in achieving excellence for maximizing productivity, efficiency, and cost savings.

The Vision of Arvin Global Solutions' Founder

Arvin Global Solutions, LLC was established in 2015 by Joseph L. Arvin, an inventor, author, and seasoned veteran of the front lines of American manufacturing. Mr. Arvin is a passionate proponent of the U.S. Industrial Base and the need for Defense Preparedness through strong domestic manufacturing capability.

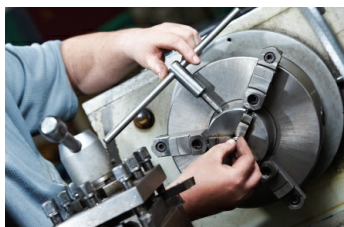


Joseph L. Arvin
President and CEO
Arvin Global Solutions

Mr. Arvin, an Army veteran, attained his experience in the rigorous demands of the high precision gear manufacturing industry serving both commercial and military systems. Since 1987, he served as president of Arrow Gear Company, a world-renowned leader in the precision aerospace gear industry until leaving in early 2015 to establish Arvin Global Solutions.

Mr. Arvin also has been a leader in the manufacturing industry through his work with organizations such as the Illinois Institute of Technology, the Society of Manufacturing Engineers, Citizens for American Manufacturing, World Business Chicago, and the American Gear Manufacturers Association.

*Providing the People
to Solve Your
Manufacturing Problems*



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www.ArvinGlobalSolutions.com

1808 Ogden Ave, Lisle, IL 60532
(800) 815-2303

Contact@ArvinGlobalSolutions.com

Working with AGS Resource Associates to Solve Manufacturing Problems

In today's manufacturing sector, it is becoming common for companies to staff for their core competencies with a smaller number of full-time employees while utilizing a pool of less costly contract personnel as a contingent workforce for other roles and special projects. Arvin Global Solutions is meeting the needs of this trend by providing top people for these positions - a critical component of excelling in the world marketplace.

With a roster of 150 available Resource Associates, AGS can provide a full range of expertise and competencies; from C-Suite operational and financial executives, to engineers, programmers, metallurgists, and machining experts. In fact, the spread of expertise from AGS is so comprehensive, we would be able to supply the resources needed to run an entire manufacturing facility.

So if you're having any type of manufacturing problems, AGS has the people to help you solve those problems.

Intergenerational Knowledge Transfer Training for Today's Military Industrial Base



Joseph L. Arvin
President and CEO
Arvin Global Solutions

One of the most pressing challenges facing the U.S. Military Industrial Base involves the training of people for any number of critical roles. In view of the fact that a significant amount of expertise will be leaving the workforce as Baby Boomers retire, this trend threatens the collective expertise of this critical industrial sector and its ability to support our Military.

For this reason, Arvin Global Solutions (AGS) is dedicating our efforts to develop and facilitate training opportunities with the primary goal of transferring the manufacturing knowledge of today's industry experts to the next generation.



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AGS is proud to support
the U.S. Military*

Industry Veterans • Decades of Expertise

A full range of manufacturing expertise

AGS features a roster of 150 resource consultants who are highly experienced in all disciplines involved in the manufacturing process. This team is available to share their expertise by developing and facilitating training needs of industry - including classroom, hands-on shop floor, and mentorship training programs. Some of these areas include the following.

Bevel Gear Cutting and Finishing
Blueprint Reading
Broaching
HAZMAT Emergency Response
Health and Safety in the Workplace
Heat Treat
Hobbing and Shaping
Machine Tool Programming
Milling and Drilling
OD and ID Grinding
Parallel Axis Finishing

Plating/Surface Finishing
Process Engineering
Quality - STI and MPI
Quoting
Shop Maintenance
Shop Math
Supervision and Management
Turning
Waste Water Management
Waste Water Treatment
Water Purification

Customized Training Solutions

Tailored to your specific needs

Each manufacturing environment is unique and effective training must be tailored to each organization's specific needs. Contact AGS to discuss your training needs and objectives and we can outline a training solution that will have maximum impact on your productivity.

Military Personnel Training

Developing and Delivering Effective Training for Optimal Results

AGS Founder Joe Arvin was stationed in Germany with the U.S. Army during the Berlin Crisis. Facing the threat of open conflict with the Soviet Union, Joe first began to understand the vital importance of having highly trained personnel. As he later moved into the gear manufacturing industry, his earlier lesson about the ongoing need for training was one he would never forget.



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Ongoing training of personnel is a primary objective of the U.S. Military. To support this objective, AGS is proud to support these efforts through our extensive knowledge of training development and implementation.



Joseph L. Arvin
President and CEO
Arvin Global Solutions

Knowledge Transfer

Decades of Experience in Training Design and Implementation

Transferring the knowledge from a Subject Matter Expert to the optimal training platform is a process in which AGS Consultant Resources have decades of experience. This training can be delivered in a number of ways.

Printed Materials and Manuals
Classroom or Field Instruction
Video-Based Programs
Internet-Based Programs



The Latest in ELearning Solutions

For Self Paced, Measurable Learning

To expand the reach of AGS training services, we now can provide E-Learning solutions. This state-of-the-art platform, which integrates Artificial Intelligence, and provides self-paced, measurable training. This a highly effective technique for meeting the training objectives of a wide range of operations.

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Arvin Global Solutions (AGS) Technical Capabilities

A full range of services to assist manufacturers achieve success

The goal of **Arvin Global Solutions (AGS)** is to help small and medium size manufacturing companies compete successfully in the global market. We are committed to the belief that America's industrial base is a critical component of the health of the U.S. economy.

AGS is different than most consulting firms. Instead of focusing on limited areas of expertise, we have assembled a roster of professional consultant resources that cover a full range of expertise required for the manufacturing landscape. With approximately 75% of these professionals being recent retirees from industry, and the balance having their own consulting organizations, the **AGS** team consists of only seasoned, skilled professionals who are among the best in the business. This team of 150 resources is available to assist in the following areas.

Accounting and Finance

CAD/CAM

Computer/Machine Tool Programming

Export/Import

Failure Analysis

Gear Manufacturing - Bevel and Parallel Axis Gears

Gearbox Noise and Lubrication

Heat Treating & Die Quench Tooling Design

Inventory Control

ISO Training and Assistance

Lean Manufacturing

Logistics, Distribution, Warehousing

Machine Operator Training

Marketing and Sales

Metallurgy

Nadcap Training and Assistance

Parts Manufacturer Approval (PMA)

Plating and Surface Finishing

Process Engineering

Project Management

Quality Assurance

Reverse Engineering

Six Sigma

Supply Chain Management

Systems Analysis

Tribology

In addition, **AGS** has a collaborative agreement with the Illinois Institute of Technology (IIT), which can be called upon to provide any specialized areas of expertise outside of the core services of **AGS**.

AGS, a veteran owned small business, has headquarters in Lisle, Illinois, in the western suburbs of Chicago, and to extend our coverage, we have representation in 18 major U.S. cities. We also have 23 representatives in 14 countries that are available to assist **AGS** clients with exporting to these regions.

At **AGS**, our motto is, "We're not here to tell you how to run your business. We're here to provide the people to help you solve your manufacturing problems." We look forward to working with you to find solutions for success.

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Joe Arvin, President
Arvin Global Solutions, LLC
1808 Ogden Ave., Lisle, IL 60585
815-600-2633

Your future is already on your shop floor. Will you invest in them?



Joe Arvin, President
Arvin Global Solutions



Geoff Ashcroft
Gear Consulting Group
Manufacturing

In manufacturing, a workforce armed with deep technical knowledge is critical to success. But as the older generation leaves the workforce, their departure creates a knowledge gap. Helping you transform your most ambitious young talent into your future experts is what the **AGS Manufacturing Training Series** is all about.

Your best and brightest deserve nothing less than the finest in guidance and training. It is why we have assembled a coalition of the industry's top experts who want to share their knowledge with the next generation. Spanning a comprehensive range of technical disciplines, our experts will prepare your talent to be the experts of tomorrow. Sign up today to take advantage of these unique learning opportunities and gain access to decades of real-world experience. Your company's future stars deserve the best, and the **AGS Manufacturing Training Series** can deliver.



Arvid Casler
Northstar Aerospace
Heat Treatment

The AGS Manufacturing Training Series **NEW SEMINAR SCHEDULE** Spring 2018

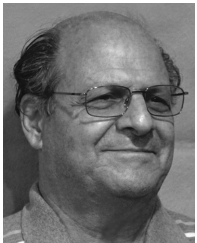
May 1-3: Introduction to Gear Process Engineering

May 22-24: Advanced Methods and Best Practices for Gear Process Engineering

June 12: An In-Depth Study of the Causes and Prevention of Grinding Damage



Kevin Walsh
Overton Chicago Gear (Ret.)
Manufacturing

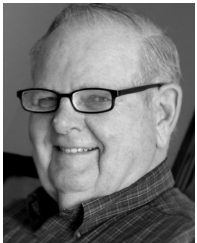


Ray Drago
Drive Systems Technology, Inc.
Gear System Consulting
& Forensic Analyses



Al Swiglo
Swiglo Metallurgical Consulting
Metallurgy

To learn more, please visit our Website at
www.ArvinGlobalSolutions.com



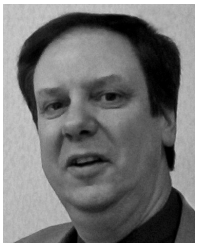
Len Haas
Rolls Royce (Ret.)
Gearbox Design



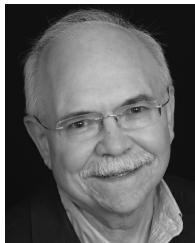
The AGS Manufacturing Training Series Seminars are held at the Northern Illinois University Conference Center in Naperville, Illinois.



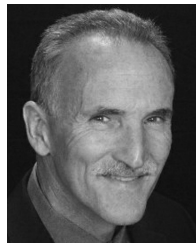
Mike Steele
Northstar Aerospace
NDT Specialist



Mark McVea
KBE+, Inc.
Gear Design



Rick Miller
Innovative Drive
Solutions
Gearbox Design



Matt Mondek
Mondek Solutions
Manufacturing



Bruce Roberge
The Quote Machine
Manufacturing



Chuck Schultz
Beyta Gear Service
Gearbox Design

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Series



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