



# AMMI

Minneapolis, Minnesota

612-965-2479

info@amminuclear.com

www.amminuclear.com



*Nuclear stewardship. Supplier strength.*

## MISSION, VISION & STRATEGY

### American Mergers & Manufacturing International

#### MISSION

To be part of putting people to work, growing the nuclear industry and bringing electricity to everyone.

#### VISION

Great, long-lasting jobs in a growing nuclear industry will be created by manufacturers who truly understand nuclear safety as the industry does.

#### STRATEGY

Since we contribute to the predictable performance of nuclear plant operations, we strive to demonstrate a 'new' nuclear supply chain; one that offers nuclear stewardship from design to install and asks the right questions during fabrication, instead of in the field.

# NUCLEAR FABRICATION

**Governance and Oversight**—Our approach to steward solid manufacturers, fabricators and support services into understanding what it means to be a nuclear participant takes the current supply chain model to what it should be...one of education and mentoring. This positions our members to perform as extensions of plant maintenance and project departments versus contracted resources.

**Why Our Approach Works**—Our Manufacturing Consortium members freely share insights, lessons learned and critical elements of producing components and materials to the standards required for the nuclear community. The rate of failure and errors are drastically reduced through this approach because of the nuclear insights we instill in our team.

**Consortium Stewardship Team**—Greater than 85 years combined-experience as nuclear plant Quality, Engineering, Operations, Maintenance, and Root Cause leaders and managers has enabled a team of people who know what it feels like to work in the plants and maintains strength in the nuclear-knowledge of the consortium.



# INSTALLATION & TESTING SERVICES

**The Issue**—Recurring scarcity of predictably available and qualified specialty services, such as nuclear certified welders, pipe fitters, industry project managers and post-fabrication testers continues to lengthen outages and increase costs.

**Specialty Shared Resources**—We have developed the ability to leverage the nuclear grade workforce of our Manufacturing Consortium members to meet nuclear needs for augment staff and specialty services. Simply, we are able to forecast and assign resources that are available to support you year after year.

**Installation and Testing Approach**-We have developed unique partner and teaming relationships that can provide committed and very well prepared specialty services and augment staff. We strive to guarantee the same personnel return project after project which enables plant schedule and cost predictability and reduces the potential for human error from a workforce that is 'new to nuclear' only once.

# COMPLIANCE ENGINEERING

**The Issue**—Design for reliability and manufacturability is not a constant forethought in today's supplier base which leads to equipment failures, threats to generation and loss of safety margin.

**Assessment and Certification**—The foundation of our strategy is to bring current and new manufacturers into compliance with the requirements of nuclear quality assurance and ISO while we help them build their standards to the level needed by the nuclear industry.

**Engineering Approach**—Securing the parts and materials plants need when they need them through a reconstructed approach to design and reverse engineering. Solutions developed and provided are done so with a high focus on reliability, cost and schedule and target specific risks that plague the industry today in the areas of obsolescence and 'First of a Kind' driven requirements.

# WAREHOUSING & LOGISTICS CENTERS

**Warehousing**—AMMI has established its first national warehousing system which enables Manufacturing Consortium members to increase production when necessary due to ample storage space. This also presents alternatives for outage and project interim storage of materials for any phase of the project or activity; some of which is certified to NQA-1

**Training**—The national warehouse system has enabled development of an integrated training center locations where those skill sets necessary to support nuclear plant on-line and outage augment staff are honed. By design, this center can be customized for any training need and offers Just-In-Time-Training outlets for countless opportunities.

**Long-Term Approach**—Develop 3 additional centers targeted for the Louisiana Gulf, Carolinas and mid-Atlantic in the next 3 years.

# PARTNERSHIPS & TECHNOLOGY

**Emphasis on Relationships**—AMMI relies on honest relationships in all business matters and is constantly seeking and open to opportunities in teaming, partnering and joint ventures that promote job creation through the next waves of nuclear and energy growth and innovation

**How We Support You**—Promoting your enterprise to grow your nuclear business, identify opportunities for diversification and expand your capabilities. In those circumstances where this effort may be part of an exit or capitalization strategy, we can assist in facilitation of those efforts as well. AMMI has secured intellectual property and patents in unexpected areas through this focus, and continues to be a means which we believe establishes deep market positions and strength for the long haul.

# Atkins & AMMI Collaboration

AMMI, in partnership with Atkins, one of the largest engineering firms in existence today, has developed a patented application and interactive tool to manage outage and schedule risk and control compensatory measures during outages. The customizable tablet-based platform has the ability to reveal schedule and resource conflicts and unseen compounded risks which enables plant management to make true risk-informed decisions. This tool has the ability to reduce outage and projects schedules by up to three shifts or more.

## GLASS Graphical Logic Analysis Support Software

GLASS is a powerful and versatile software platform that visually illustrates complex logic relationships in a fully interactive environment. It is used to provide efficiency in maintaining facility programs at nuclear facilities as well as other industries.

GLASS Integrated Risk Management Mitigation Application (IRMMA) for on-line, outage and shutdown safety risk centralizes all program and performance risk information through an easy-to-use application to target lean and predictable critical paths, prompt response mitigation plans and constant, real time impacts of plant performance on risk profiles with integrated scheduling information. This eliminates information and program strategy silos to improve decision-making that supports shorter critical paths, cost effective operational excellence and financial predictability. This application is THE thought leading evolution in true risk management and event anticipation platform based in patented technology serving the global nuclear community.



# ATKINS



*Integrated Risk Management & Mitigations Application, (IRMMA) provides an interactive, statistical solutions platform for outage critical path, shutdown safety, and informed real-time risk decision making.*

## AMMI

A minority-owned energy and manufacturing industry service and business development company serves the global nuclear energy and manufacturing industries and their supply chains. AMMI provides expertise in solution development for:

- Supplier development and recovery to NQA-1, 10CFR50/55 App. B, ISO9001 and other quality standards
- Nuclear grade components and parts, critical spares and obsolescence and business development and diversification through its manufacturing consortium network
- Nuclear warehousing, storage and logistics, including shared manufacturing facilities
- Time critical and specialized nuclear services and staff for nuclear maintenance and upgrade projects

## ATKINS

Atkins is one of the world's largest international design, engineering and project management consultancies, employing some 17,400 people across North America, the UK, Middle East, Asia Pacific and Europe.

Atkins energy business is an international provider of high-end design and engineering for the nuclear, oil and gas, renewables and power sectors. We deliver innovative technical solutions for some of the industry's greatest challenges and have provided business-critical engineering solutions in the North American energy sector since the 1980's.