

# Training & Logistics

## *Lockheed Martin Nuclear Power Plant Solutions: Providing Critical Training and Logistics Services.*

Lockheed Martin partners with its global customers to achieve a vision of safe and affordable nuclear power energy generation. The corporation has more than 50 years of experience providing safety-critical control systems, advanced technology, training, and logistics for the civil and military nuclear energy industries. With core skills in training, systems integration and research and development, we deploy complex systems at scale to support the development of safe, affordable nuclear power as a part of the global energy solution.

### **Training for the Nuclear Plant Operators of Today and Tomorrow**

Lockheed Martin recognizes the challenges faced by nuclear power plant operators and maintainers and the critical importance of their assignments. To help control room operators master the skills needed for this demanding environment, Lockheed Martin offers effective training solutions. These initiatives include a front-end analysis, syllabus and instructional systems design, interactive distance learning, instructors and learning evaluation — incorporating leading training solutions and innovative simulation technologies.

- Uses a proven Systematic Approach to Training (SAT)
- Immersive, collaborative and distributed simulation training experience
- Scalable simulation with interactive and realistic scenarios
- Visualization tools for planning, design, operations, construction and retrofits
- Individual and crew training in real-time exercises
- Flexible and user-friendly for updates, maintenance
- Training programs use commercial-off-the-shelf hardware and software
- Derive training return-on-investment



## Ensuring Equipment is Ready On Time, Every Time

In order to keep safety and affordability at the forefront for nuclear plant operations, Lockheed Martin performs critical logistics work behind the scenes. Work includes maintaining technical procedures and manuals, obsolescence mitigation (equipment modernization and updates), engineering support, supply chain management, maintenance and repair, and task planning.

- Global supply chain and asset management
- Maintenance, repair and distribution of equipment
- Sophisticated tracking support
- Consolidated testing solutions to determine equipment readiness

## Delivering Results — More Predictability, More Stability

Through our investment, creative financing and centralized management of training programs, Lockheed Martin can help lower utility operating costs while maintaining industry and Nuclear Regulatory Commission's standards of safety. We have the bench strength to offer long term agreements for operator and maintainer training that adds stability and predictability to utility operations. Blended training and logistics solutions that use the best available technology will increase the quality of learning and preparation while decreasing the time invested.

## Making Operational Improvements Easier

Lockheed Martin's simulation-assisted engineering capabilities make testing different manufacturing, production and workflow configurations simple and inexpensive. Using specialized software, nuclear plant professionals can virtually move equipment, test new layouts and room designs without disrupting day-to-day operations. In addition, simulation-assisted engineering can model and test how changes in components, pressure flow, etc., impact efficiency and effectiveness of reactor design.

- User-friendly approach
- Cost-effective model for construction, test, re-engineering
- Accurate, efficient and robust environment
- High-fidelity system modeling

## Building on Experience

Lockheed Martin has trained hundreds of thousands of service men and women for critical assignments — from operating advanced fighter aircraft to complex convoy operations, to enhancing decision-making skills in high-stakes situations and planning for emergency scenarios. We prepare professionals to make critical decisions and take the right actions to minimize risk.

*NCR File Photo*

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DPCM0221 PIRAORL201102013