



TRUSTED NUCLEAR HERITAGE FROM NAUTILUS TO ADVANCED REACTORS



NUCLEAR-GRADE INSTRUMENTATION AND CONTROLS WITH PROVEN OPERATING PEDIGREE.

Leonardo DRS delivers trusted nuclear instrumentation, controls, and safety solutions with more than 70 years of heritage supporting U.S. Navy nuclear propulsion and commercial nuclear safety systems—rooted in the legacy of DRS Consolidated Controls. We partner across the lifecycle to modernize aging analog platforms, sustain critical systems, and solve obsolescence through engineered upgrades, reverse engineering, and qualification.

Uniquely positioned at the intersection of naval, commercial, and maritime nuclear, Leonardo DRS supports advanced reactors, floating nuclear power plants, and shipboard applications with proven safety-grade architectures and ruggedized, mission-ready hardware.

Leonardo DRS: Proven Nuclear Pedigree Advancing the Nuclear Future

For more than seven decades, Leonardo DRS has supported some of the world's most demanding nuclear applications. That legacy began with Consolidated Controls Corporation (CCC), founded in 1958, and evolved through decades of innovation supporting U.S. naval nuclear propulsion and commercial nuclear power generation. Today, as the nuclear industry enters a new era driven by plant modernization, advanced reactors, energy security, and maritime nuclear innovation, Leonardo DRS is uniquely positioned to help customers navigate the future with proven technology, nuclear-grade quality, and operationally grounded expertise.

The nuclear industry is experiencing a transformation unlike any seen in decades. Existing commercial fleets are pursuing long-term operation and aggressive modernization programs. At the same time, advanced reactor developers are moving from concept to deployment, creating demand for scalable, safety-focused instrumentation and control architectures. Around the world, governments and industry leaders are exploring floating nuclear power plants, maritime nuclear propulsion, and mobile nuclear energy systems as strategic tools for energy resilience and national security.

In this rapidly evolving environment, experience matters. Proven execution matters. Nuclear pedigree matters.

That is where Leonardo DRS stands apart.

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The foundation of Leonardo DRS was built on mission-critical nuclear control systems where failure was not an option. The organization's roots trace back to the early nuclear Navy era, supporting highly reliable control technologies associated with U.S. naval nuclear propulsion programs. Over time, that expertise expanded into commercial nuclear applications, delivering safety-related instrumentation and control systems designed to operate in highly regulated, high consequence environments.

This history provides more than a legacy story — it provides credibility. Nuclear operators and reactor developers need suppliers that understand the realities of qualification, configuration management, cybersecurity, obsolescence, and the nuclear safety culture. Leonardo DRS brings decades of experience operating within these requirements.

Today, the organization supports customers with expertise



spanning analog and digital I&C systems, nuclear-qualified hardware, safety-related architectures, harsh-environment applications, engineered modernization, and lifecycle sustainment.

The business operates under rigorous nuclear quality standards, including NQA-1 and experience supporting 10 CFR 50 Appendix B environments since program inception.

As many organizations enter the nuclear market for the first time, Leonardo DRS offers something increasingly valuable: demonstrated nuclear execution experience across both defense and commercial sectors.

LIFECYCLE PARTNER FOR NUCLEAR MODERNIZATION AND OBSOLESCENCE

One of the greatest challenges facing the commercial nuclear industry is not simply building the next reactor — it is sustaining and modernizing the reactors already operating today.

Across North America and internationally, utilities are confronting aging analog systems, obsolete components, supply chain shortages, and workforce transition risks. Plant operators require trusted partners capable of extending operational life while maintaining regulatory confidence and operational reliability.

Leonardo DRS is focused on helping utilities solve those challenges.

From engineered analog refresh solutions to replacement hardware development, qualification support, reverse engineering, and long-term sustainment strategies, the organization is positioned to support the modernization priorities of existing nuclear fleets. The company's experience spans safety-related systems, control system architectures, instrumentation, actuation interfaces, and

specialized nuclear-grade electronic assemblies. Importantly, the Leonardo DRS team that manages the Nuclear Instrumentation & Controls (NI&C) line of business understands that modernization is not only about technology replacement — it is about risk reduction. Utilities require solutions that minimize operational disruption, preserve licensing basis assumptions where practical, and ensure long-term maintainability.

This same philosophy extends into advanced reactor deployment.

Advanced reactors and SMRs are often described as “new nuclear,” but many of the underlying challenges remain familiar: qualification, reliability, maintainability, safety system integrity, and lifecycle supportability. Reactor developers increasingly recognize the importance of partnering with suppliers that understand disciplined nuclear execution rather than purely commercial electronics development.

Leonardo DRS brings a practical, operationally informed approach to these emerging programs, helping bridge the gap between innovative reactor concepts and deployable nuclear infrastructure.

BRIDGING NAVAL NUCLEAR, COMMERCIAL NUCLEAR, AND MARITIME NUCLEAR

Perhaps the most unique differentiator the Leonardo DRS NI&C line of business brings to the market is its ability to bridge three historically separate domains: naval nuclear, commercial nuclear, and emerging maritime nuclear applications.

Around the world, momentum is building behind floating nuclear power plants, nuclear-powered maritime platforms, and energy systems designed to support remote infrastructure, ports, military operations, and industrial applications. Governments and regulators are actively evaluating frameworks that could enable safe deployment of nuclear technologies at sea.

Few organizations are better positioned to support this transition than Leonardo DRS.

The company’s naval nuclear heritage provides deep familiarity with ruggedized environments, mission-critical reliability, compact system integration, and high-availability operational requirements. Its commercial nuclear experience adds regulatory discipline, safety-related quality assurance, and large-scale lifecycle support expertise.

Together, these capabilities create a compelling foundation for supporting the next generation of maritime nuclear energy systems.



Leonardo DRS facility in Danbury, CT.

Whether supporting shipboard actuation technologies, nuclear instrumentation architectures, reactor protection concepts, safety-related monitoring, or integrated platform control systems, our organization is positioned to help shape the future of nuclear energy deployment beyond traditional land-based power plants.

This convergence of defense, commercial nuclear, and maritime innovation represents one of the most significant long-term growth opportunities in the global nuclear industry — and Leonardo DRS intends to be at the center of that evolution.

LOOKING AHEAD

The nuclear industry is entering a defining decade. Energy security concerns, electrification demands, decarbonization goals, and geopolitical realities are accelerating investment in nuclear technologies worldwide. Success in this environment will require more than innovative concepts. It will require trusted execution partners capable of delivering reliable, supportable, nuclear-grade solutions across decades of operation.

We combine heritage, engineering discipline, operational credibility, and forward-looking innovation to help customers meet those challenges.

From legacy fleet modernization to advanced reactors and emerging maritime nuclear applications, the organization remains committed to delivering mission-critical nuclear instrumentation and control solutions where reliability matters most.

To learn more about Leonardo DRS NI&C capabilities, ongoing modernization initiatives, and advanced nuclear engagement strategies, visit the Leonardo DRS team at NECX 2026 in August 2026 or Scan the QR Code below to learn more.

