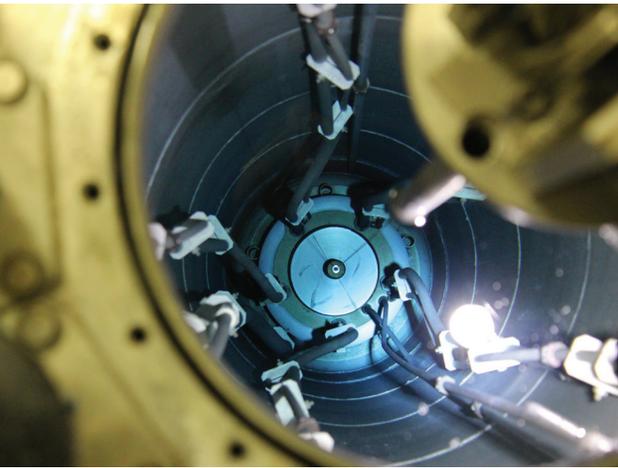




A Holtec and SNC-Lavalin Company



Safe, Rapid, and Economic
Decommissioning of Shuttered Nuclear Plants

Comprehensive Decommissioning International, LLC (CDI) was formed in 2018 with the single purpose of creating a company to provide all-encompassing project solutions for the accelerated decommissioning of retired nuclear power plants. CDI, based in Camden, NJ, is a new company of Holtec International and SNC-Lavalin. CDI draws on its partners' financial strength, safety commitment, and expertise in decommissioning and site remediation to carry out an accelerated decommissioning schedule without compromising safety or quality. Rapid decommissioning benefits communities by returning the sites (excluding the Independent Spent Fuel Storage Installations) to productive use within eight years. The spent fuel will remain under guard at the sites and will be monitored during shutdown and decommissioning, subject to the NRC's oversight, until the U.S. Department of Energy removes it in accordance with its legal obligations. By leveraging strong financial histories, technical and project management capabilities, depth in life-cycle fuel experience, and innovation through first-to-market technologies, CDI has positioned itself as a solution provider and leader in this exciting and growing market.

About Our Parent Organizations



Holtec International is a privately held energy technology company with operation centers in Florida, New Jersey, Ohio and Pennsylvania in the U.S., and globally in Brazil, Dubai, India, South Africa, Spain, UK and Ukraine. Holtec's principal business concentration is in the nuclear power industry. Holtec has played a preeminent role since the 1980s by densifying wet storage in nuclear plants' spent fuel pools deferring the need for and expense of alternative measures by as much as two decades at over 110 reactor units in the U.S. and abroad. Dry storage and transport of nuclear fuel is another area in which Holtec is recognized as the foremost innovator and industry leader with a dominant market share and an active market presence in eighteen countries. Among the Company's pioneering endeavors are the world's first below-ground Consolidated Interim Storage Facility being developed in New Mexico and a 160-Megawatt walk away safe small modular reactor, SMR-160. SMR-160 is developed to bring cost competitive carbon-free energy to all corners of the earth, including water-challenged regions. Holtec is also a major supplier of special-purpose pressure vessels and critical-service heat transfer equipment such as air-cooled condensers, steam generators, feedwater heaters, and water-cooled condensers. Virtually all products produced by the Company are built in its three large manufacturing plants in the U.S. and one in India. Thanks to a solid record of consistent profitability and steady growth since its founding in 1986, Holtec has no history of any long-term debt and enjoys a platinum credit rating from the financial markets. Nearly 100 U.S. and international patents protect the Company's intellectual property from predation by its global competitors and lend predictable stability to its business base.



SNC • LAVALIN

Founded in 1911, SNC-Lavalin (SNCL) is a global fully integrated professional services and project management company and a major player in the ownership of infrastructure. From offices around the world, SNCL's employees are proud to build what matters. These teams provide comprehensive end-to-end project solutions – including capital investment, consulting, design, engineering, construction, sustaining capital and operations and maintenance – to clients across oil and gas, mining and metallurgy, infrastructure, clean power, nuclear and EDPM (engineering design and project management). SNCL has a 60+-year history in the nuclear sector. The company's Nuclear mission is to support a more sustainable world through the lifecycle of carbon-free nuclear energy and to ensure nuclear remains a key part of the mix for future generations.

SNCL is a leader in nuclear reactor life extension and decommissioning as well as nuclear site asset management. SNCL is also the steward of CANDU nuclear technology, and has teamed with Holtec to help develop the company's small modular reactor, the SMR-160. The last CANDU nuclear new build projects were completed on or ahead of schedule and on budget. SNCL brings significant U.S. decommissioning expertise in both commercial and government markets. This expertise includes the management team that led the baseline planning, license transfer, project delivery through fuel transfer, and reactor segmentation at the Zion station. This team also managed the UK's fleet of 22 Magnox reactors through operation and into decommissioning. More recently we've enjoyed success progressing cleanup efforts at Fukushima Dai-Ichi in Japan, Ringhals Units 1&2 in Sweden and the Nuclear Power Demonstration (NPD) reactor in Canada.

Global Decommissioning Experience



Spent Nuclear Fuel (SNF) Management, U.S.A.

SNF makes up more than 80% of the radiological dose associated with decommissioning. Managing large fuel transfer campaigns is not a routine activity at an operating plant. It requires a specialized skillset to inventory and package fuel safely. Holtec has provided SNF management and products since the mid 80's, and is the only company capable of managing each stage of the safe fuel removal storage with in-house personnel. Holtec currently provides SNF management to over 60 nuclear facilities worldwide.

Zion Nuclear Power Station, U.S.A.

Many current Atkins/SNCL employees were part of the original team to transition ownership and start the decommissioning of Zion including the General/Project Manager, and Executive Management team. Early activities included working with Exelon on the License Transfer Application, a DECON PSDAR, and numerous other licensing activities associated with reconfiguring the security, fire protection, and QA plans. This initial team placed all major procurements for reactor vessel segmentation, rail upgrades, electrical reconfiguration, access to containment, hiring of craft workers, and performed all characterization work.

U.S.A. Government Projects

Through its subsidiaries (including joint venture companies) SNCL has performed over 100 waste cleanup, decommissioning and site remediation projects for the U.S. Department of Energy and the U.S. Department of Defense. SNCL's portfolio contains site management, engineering and services supply for work spanning decommissioning pre-planning through site restoration and release.

Fukushima Dai-ichi, Japan

At Fukushima, SNCL deployed water treatment technologies, dewatering solutions, and new storage/disposal canisters to support decommissioning. The systems have a throughput of greater than 2,100 m³ of water per day. These systems are still in operation to date, meeting process requirements including the removal of over 62 nuclides; creating non-detect levels. (Levels below World Health Organization drinking water standards).

Ringhals Units 1&2, Sweden

Vattenfall commissioned SNCL to undertake an in-depth verification of the current decommissioning baseline and in doing so generate a Cost Estimate Summary Report, supported by a new detailed preliminary schedule that could be evolved into the first fully executable plan for the site. SNCL deployed subject matter experts from both the U.K. and U.S. to deliver this commission.

Magnox Reactor Fleet, U.K.

ATK Energy EU Ltd (a U.K. subsidiary of SNCL), together with its legacy subsidiaries held the contracts and licenses to operate, defuel, and decommission 22 Magnox nuclear power reactors at 10 geographically dispersed sites (904 acres comprising 1,000 buildings and 10M ft² of floor space, including reactor buildings, turbine halls, spent fuel storage ponds and handling facilities, waste management facilities, and ancillary buildings/infrastructure). This work was performed on behalf of the Nuclear Decommissioning Authority (NDA), a UK Government entity similar to DOE Environmental Management (EM) in mission and purpose.

Personnel Safety

Workplace safety is at the forefront of CDI's focus in all aspects of our businesses. Our approach to personnel safety is intended to focus each employee on their personal responsibility for their safety and the safety of their community. This absolute focus is enhanced with regular safety training, a safety incentive program, recognition of individual safety efforts and the active involvement of executive management. Safe decommissioning resides at the core of CDI's business.

As such, CDI maintains an Environmental Health Safety and Quality Program (EHS&Q) and has developed a standard set of procedures that define the minimum requirements to comply with the U.S. Code of Federal Regulations under 10 CFR 1904, 1910 and 1926. These programs and procedures can be grouped into the following key elements: Industrial Hygiene, Occupational Medical Surveillance, Occupational Safety, Hazardous Waste Site Operations, Fire Protection, and Health and Safety Infrastructure. CDI uses corporate EHS&Q policies as a guideline for site-specific programs. Our experience with managing decommissioning projects has taught us the value in implementing a robust safety structure on day one of deploying at a new facility.



Nuclear Safety Culture

The principal responsibility of CDI's entire leadership team is to foster an atmosphere that emphasizes safety over competing goals, ensuring that the protection of people and the environment come before project schedules and profits. The core values and behaviors of safety in CDI set the expectations for the conduct of decommissioning operations and establish a Safety-Conscious Work Environment (SCWE), in which workers are able to raise nuclear safety concerns without fear of retaliation. CDI's Nuclear Safety Culture includes traits that describe patterns of thinking, feeling, and behaving that emphasize safety, particularly in goal conflict situations, such as when safety goals conflict with production, schedule or cost goals. The decommissioning of nuclear power plants continues to be a challenge for many licensees. It is of utmost importance to the CDI executive management team to maintain a positive safety culture during the decommissioning phase.

For more information on Comprehensive Decommissioning International, please visit www.cdi-decom.com.

CDI Headquarters
1 Holtec Boulevard
Camden, NJ 08104
(856) 396-6288