Originating on the heels of the Manhattan Project in 1947, at the dawn of the atomic age the need for industrial radiation detection was recognized and today Technical Associates brings to the global nuclear industry design and manufacturing over 300 instruments and systems for radiation detection and monitoring of a wide variety of Alpha, Beta, & Gamma isotopes including those difficult to detect such as Tritium, Carbon-14 and pulsed X-Rays.

US Nuclear Corp is a fully-reporting, publicly traded company on the Over-the-Counter Bulletin Board, traded under the ticker symbol UCLE. The Company’s operations is globally recognized through its subsidiaries; three leading nuclear radiation detection companies, Overhoff Technology Corporation (OTC), Optron Scientific Company Inc. dba Technical Associates (TA), and Electronic Control Concepts, (ECC).

US Nuclear Corp subsidiaries design, manufactures and markets a branded and globally recognized full line of radiation detection and specialized advanced Tritium technology. US Nuclear Corp provides measurement instrumentation for the nuclear energy industry and for emerging technological processes such as Thorium and Molten Salt (MSR) reactor technologies both domestically and globally. American and International customers include United States Government Agencies, the U.S. Military, Homeland Security, Scientific Laboratories, Universities, Hospitals, nuclear reactor facilities in the United States, China, Canada, South Korea, Argentina, Russia and others.

Providing exceptional radiation measurement instrumentation remains the primary goal of US Nuclear Corp through its subsidiaries Technical Associates and Overhoff Technology and Electronic Control Concepts. The combined expertise of these sister companies comprise more than 100 years in design and manufacturing and provides a diverse and exceptional catalog of products to the nuclear industry.

Innovation is the rule at US Nuclear Corp and the DroneSensor System with the DroneRAD, a radiation detection system mounted on a drone provides Aerial Radiation and Chemical Detection; another first in the field of radiation detection and measurement. Technical Associates real-time continuous water monitoring instruments continue to lead the field in performance, sensitivity, and variety of nuclides detected.

Target industries include nuclear power plants, utilities: drinking water and wastewater, national laboratories, government agencies, homeland security, military, universities and schools, research companies, hospitals, medical and dental facilities, energy companies, weapons facilities, first responders, local governments, environmental protection, occupational safety and manufacturing industries utilizing radioisoptes in their products or development of products.

Product development is another key aspect that defines us—if you can’t find a product that meets your needs, or if you have a unique project with special requirements, we can work with you to design a system to meet your specifications. Feel free to contact us today to discuss your application and requirements.