

ADC Completes Design, fabrication, assemble and installation of a Complex Nuclear Reactor’s Graphite Regulating Rod for NIST

Lansing, NY, Sep 24, 2018 -- ADC has completed design, manufacturing, assembly/testing and installation of a linear actuator and attendant controller for NIST Nuclear Reactor’s Graphite Regulating. A nuclear reactor is a system where a controllable nuclear fission chain reaction can be maintained. The objective was to provide an upgraded replacement for the previous actuator, which had been in use for decades. To fit the reactor, the actuator was designed with a maximum body diameter of only 2.75”. Compatibility was maintained with old systems by using an identical upper flange and electrical connector, along with an identical interface to the regulating rod.



Since being established over 20 years ago, ADC has grown significantly in upstate New York. “We are honored to say that we are ISO 9001:2015 certified.” said Mr. Eric Van Every, Managing Director at ADC.

About NIST: The National Institute of Standards and Technology (NIST) was founded in 1901 and now part of the U.S. Department of Commerce. NIST is one of the nation's oldest physical science laboratories. NIST measurements support the smallest of technologies to the largest and most complex of human-made creations—from nanoscale devices so tiny that tens of thousands can fit on the end of a single human hair up to earthquake-resistant skyscrapers and global communication networks. For more information on “NIST” please go to: <https://www.nist.gov/>

About the company: ADC USA, located near Cornell University in Ithaca, New York, is a leading developer and supplier of complex scientific components and instruments for large government laboratories and corporations around the world. ADC’s new machining/fabrication web site www.adcmachining.com brings together information on ADC’s precision fabrication and welding into a single, searchable site and provides a fast and easy method to submit drawings with information to receive quotes.

