

Dimitri Lutchenkov



A long time Maryland resident, Dimitri Lutchenkov studied Russian and Mechanical Engineering at the University of Maryland College Park. Dimitri started his professional career with MPR in 1979. In his first 22 years with MPR Dimitri worked on a broad range of projects including support of the US Navy and commercial nuclear and fossil power plants in the US and internationally. In these first years with MPR he worked on development of a thermodynamic heat balance code, finite element stress analysis (including 3D modeling of reactor vessels), and directly supported utility clients with design basis reconstitution, life extension, quality control, troubleshooting, and modifications.

Taking a brief sabbatical from MPR he gained broader experience as project manager with El Paso Energy providing engineering and project management support to over a dozen power plants in Central America, Caribbean and South America. These multi-unit plants ranged from combustion turbine, diesel, hydro, and conventional boiler facilities.

Dimitri went on to be Project Director of Constellation Energy's \$1 billion air quality control system retrofit at the 1600MW Brandon Shores power Plant. Dimitri led the project from initial conceptual design, through final design, major equipment procurement, major contracts, site mobilization, and major construction activities. When completed, the facility was one of the cleanest coal plants in the US and was named Power Magazine's Best Plant in 2010.

Dimitri then moved on to UniStar Nuclear, initially a joint venture of Constellation and Electricity de France (EDF), to support their environmental regulatory challenges and overall licensing effort for the US EPR design. He successfully obtained the NRC's Final Environmental Impact Statement (FEIS) and the Maryland Certificate of Public Convenience and Necessity (CPCN) to construct and operate Calvert Cliffs 3.

Returning to MPR in 2012, Dimitri continued his multifaceted support to clients from performing duties of Vice President Regulatory Affairs for a Generation IV advanced reactor company to leading development of CT plants, owners engineer for new construction CT plants and a leading edge technology supercritical CO₂ plant, economic benefit analysis, as well as participating in development of EPRI's Owner-Operator Requirements Document (ORD) for Advanced Reactors and NEI's Advance Reactor Regulatory Task Force and Working Group. Dimitri leads MPR's Advance Reactor technology sector.