



## Alok Kumar, PE, EMP Director, Energy Services

### Education:

University of Maryland, College Park  
MS, Mechanical Engineering

Ranchi University  
BS, Mechanical Engineering

### Licensing:

PE

### Certification:

EMP

### Notable Projects:

#### *NIST*

Building 235 NCNR  
Gaithersburg, MD | 2014

#### *Fort Stewart Community Hospital*

Heating System Replacement  
Fort Stewart, GA | 2014

#### *Aberdeen Proving Ground*

C4ISR/C2CNT Laboratory and Administration  
Building  
Aberdeen, MD | 2012

#### *Fort Benning*

Heating and Cooling Systems  
Fort Benning, GA | 2013

#### *Bachelors Enlisted Quarters (BEQ)*

NAVFAC  
Quantico, VA | 2013

#### *Fort Irwin*

Peer Review of Design Documents  
Fort Irwin, CA | 2012

Alok Kumar serves as Director of Energy Services at NIKA. Known as a thought leader in the industry, he specializes in the execution of complex engineering projects, including ground source heat pumps, combined heat and power, and renewable energy systems. He has extensive experience in the design, commissioning and measurement and verification of HVAC, plumbing and fire protection systems. In addition, Alok performs energy and water master planning services, including investment grade analysis for a wide range of facilities such as medical centers, laboratories, offices, educational buildings. His clients include the U.S. military, the Bureau of Overseas Buildings Operations (OBO), and other government agencies.

Alok's professional activities focus on sustainability and analysis and implementation of economic policies on various projects and feasibility studies involving renewable energy resources such as solar, wind and biomass and energy demand dynamics. He is a valuable technical resource and engineering project leader, and he is extensively involved with the professional community, including Georgetown University School of Continuing Studies and USGBC-National Capital Chapter (USGBC-NCR) education and outreach programs. In his role as a senior member of the staff, Alok nurtures client relationships that allow him to anticipate and plan for their needs.

Alok is passionate about perfection, demonstrating his commitment to quality control throughout the entire life cycle of a project. As a team leader, he often leads interdisciplinary quality assurance control checks and becomes personally involved in ensuring that work is completed on time, on budget and to the high standards expected.

Alok did his undergraduate work in mechanical engineering at Ranchi University in India before earning a master's degree in engineering at the University of Maryland. He is a registered professional engineer (PE) and holds an energy management professional (EMP) certification. Active in his profession, Alok is a member of the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE), and sits on the Board of Directors of the Montgomery County branch of the U.S. Green Building Council (USGBC) of the National Capital Region. He is fluent in English, Hindi and Sanskrit.