

**Sustainable Energy & Agriculture Technology, LLC
Arizona, USA**



Ashoke “Ash” Bose is the Founder of Sustainable Energy & Agriculture Technology, LLC, (SEAT), an Arizona corporation. The primary mission of SEAT is to develop sustainable technology for agriculture and other processes. At present, SEAT is involved in design and construction of Near Zero Carbon (NZC) micro-greenhouses where diesel or propane based heating is eliminated by renewable energy source. In addition, SEAT is experimenting with different Phase Change Material (PCM) based Thermal Energy Systems to reduce thermal peak load in the greenhouse enclosure.

Mr. Bose is also a Founding Member and Managing Director of Bose International Investment Fund, LLC, (1999) an investment company involved in renewable energy and internet technology related projects.

In addition to energy related research, Mr. Bose has devoted more than twenty years in data storage technology and analytics. He was appointed as a Senior Manager in IBM Systems, Shanghai, China, (2007 – 2013) to develop complex storage virtualization systems. Under his leadership, the storage virtualization team grew 500% with \$100M product portfolio. Before moving to China, Mr. Bose was an Advisory Software Engineer in IBM Systems Technology Group, Tucson, USA (2004 – 2006) where he was involved in Quality Assurance for storage systems.

Prior to joining IBM, Mr. Bose was the Founder/President of Communication Software, Inc. (CSI) Santa Rita Research Center, (1991- 2002) where he was involved in various data analytics research projects for US government agencies. Mr. Bose is the winner of 1994 US Presidential Award for Service Firm of the Year by Small Business Administration for his accomplishment as CSI President to promote economic growth in the minority community.

Mr. Bose started his career as an Academic Computing Specialist, The University of Arizona (1987 – 1989), and then he was promoted to Senior Software Programmer at the Social and Behavioral Sciences Research Institute (1990-1991) where he was responsible for providing analytical consulting services to social researchers.

Mr. Bose received B. Tech. degree in Mechanical Engineering from Indian Institute of Technology, Kharagpur; and M. Eng. in Mechanical Engineering from McGill University, Montreal, Canada. Mr. Bose conducted experimental and numerical investigation of melting in the presence of natural convection for his M. Eng. thesis. The result of this work is an integral part of Near Zero Carbon (NZC) technology developed at SEAT. Mr. Bose has been awarded four patents for his innovative research on sustainable design of micro-greenhouse and shipping containers.

At present, Bose is enrolled in Executive Master of Health Administration (EMHA) program in the College of Human Ecology at Cornell University, Ithaca, New York. He is working on an innovative Peer to Peer Payment System for Healthcare.