



Tim Loughran Principal

EXPERIENCE

Since 2009 Tim has been a consultant participating in construction of cleanrooms for some of the leading institutions worldwide including The Weismann Institute in Israel, Brookhaven National Laboratories (BNL), (The National Institute of Science and Technology (N.I.S.T.)), The Iberian National Laboratory (INL), and, The King Abdullah University of Science and Technology (KAUST). Tim has extensive experience in designing, constructing, and installing cleanrooms, process systems, and tools for Semiconductor Wafer Fabs, Nanotechnology, Biopharm, and Microelectronics; as well as, start ups and research institutes throughout the world. In addition to construction services he has an extensive resume in process tool installation, cleanroom retrofit projects, and sustaining work contracts. Under his management AdvanceTEC, LLC, a design/build cleanroom firm in Richmond, VA, was named as a finalist as Small Times Magazine's Company of the Year in 2005; and AdvanceTEC was a member of The Richmond Times Dispatch Rising 25 a designation of the 25 fastest growing companies in Richmond, VA for three (3) years running. Tim has served as the cleanroom lab planner and programmer for Norfolk State University's RISE 1 facility, as well as having designed and/or constructed Nanotechnology cleanroom facilities for Purdue University's Birck Nanotechnology Center, The US Navy's Nanotechnology Research Facility at the Naval Research Laboratories in Washington DC (a Controlled Environment Magazine Facility of the Year finalist), **In June 2007 AdvanceTEC was named in INC. Magazine's 5000 Fastest Growing Private Companies in the US.**

PERSONAL

Over 25 years designing and constructing cleanrooms for the Microelectronics, Semiconductor, Nanotechnology, and Biopharm industries. Tim was formerly the Managing Partner and Founder of AdvanceTEC, LLC, the Manager of Design/Build Services for Performance Contracting, Inc. and Division Manager for the Cleanroom Engineering Division of Cleanroom Products. He has published papers on numerous subjects including Clean Packaging Technology, Fan Filter Evaluation, Air Shower Performance, Retrofitting Cleanrooms, and Design/Build Cleanroom Specification and Proposal Evaluation. He is a frequent contributor to Controlled Environments and Cleanrooms Magazines and former president of his local chapter of the IEST. Most notably Tim was on the faculty of The National Institute of Standard and Technology's (N.I.S.T.) Building for Advanced Technology Workshop in January 2003.

Cleanroom Construction Assoc. (CCA) Richmond, Virginia (2009-Present)

Principal - Responsible for Concept Designs, Technical Evaluation, Project Management, Budgeting, Scheduling, and Construction of Cleanroom projects to comply with design specifications and applicable safety, design, and building codes.

AdvanceTEC, LLC Richmond, Virginia (2000-2009)

Managing Partner - Responsible for Project Management and Construction of Cleanroom projects and Process and Facilities Installation. Responsibilities include the development and implementation of micro-contamination and environmental concepts for design/build cleanrooms, including Class 1 and pharmaceutical facilities, to comply with design specifications and applicable building codes.

Performance Contracting, Inc., Richmond, Virginia (1995-2000)

Manager of Design/Build Services- Responsible for Technical Support of Group dedicated to Cleanroom Construction including development and implementation of micro-contamination and environmental concepts for design/build cleanrooms, including Class 1 and pharmaceutical facilities, to comply with design specifications and applicable building codes.

Cleanroom Engineering Div. of CRP Inc., Ronkonkoma, New York (1990-1995)

Division Manager – Managed all aspects of Operations of the design/build cleanroom group including sales, design, construction, purchasing, estimating, service, and administration

Liberty Industries Inc East Berlin, CT (1984-1990)

Modular Cleanroom Product Manager – Managed all aspects of Modular Cleanroom Product Line for a component manufacturer of materials for cleanroom construction, including sales, design, construction, and estimating.