



**AGI**

Abbie Gregg, Inc.

**Harvard University  
LISE**

**Project Name:** Harvard University, Laboratory for Integrated Science and Engineering (LISE)

**Project Location:** Cambridge, Massachusetts, USA

**Architectural Firm of Record:** William Wilson Architects

**Project Size:** 17,306 sq. ft. Cleanroom; 126,000 gross sq. ft. in Project

**Construction Cost:** \$100M

**Professional Services Provided:** 2001 - 2007

**Project Status:** Cleanroom Completed 2007

**Client Reference:**

- Mark Reed, Architect, Formerly of Wilson Architects, 617-338-5990
- Dr. Eric Martin, Technical Director, Harvard Univ., 617-495-3161
- Bill Appleton, Former Director of CIMS, Harvard Univ., 352-846-3300

**Project Features:**

- Urban Area Issues Including Interface to 4 Adjacent Buildings
- Nanotechnology Cleanroom
- Class 10, Class 100, and Class 1,000 Spaces
- Waffle Slab, Multi-Story Building, Portions Below Grade
- E-Beam Lithography
- Imaging Suite and Biotech Laboratories
- Materials Synthesis / MBE / MOCVD

**Services Provided by AGI for Project:**

- Cleanroom Design: Programming through Construction Documents
- Construction Administration
- Layout and Utility Matrix Development
- Tool Research and HPM Analysis
- Vibration and EMI Consulting
- Specialty Systems Design
- Demolition and Site Work Plan Review
- Gas / Chemical Analysis
- Value Engineering

**Building Uses:**

- The LISE Building will house many Center for Nanoscale Systems (CNS) facilities, tools and offices.
- Laboratories will be housed in the one-third of LISE that is above ground. The three-level basement will house a shared cleanroom, facilities for materials synthesis, bio analysis, bio engineering, and a microscopy suite.

**Key AGI Personnel Associated with this Project:**

- Abbie Gregg, AGI Project Executive
- Craig Rossrucker, AGI Project Manager
- Mark Winter PE, Chemical Engineer
- Lara York, Cleanroom Consultant, EMI and Vibration
- Michelle Hartig, Industrial Engineer, CA Project Manager



*Photo Bay in Cleanroom, July 2007*



*Building Automation System and Recirculating Air Handling Units, July 2007*



*Photolithography Chase July 2007*



*AGI Team in Front of LISE Tower July 2007*