



**AGI**

Abbie Gregg, Inc.

## Eastman Kodak Company OLED Research Lab Technology Transfer

**Project Name:** Eastman Kodak Company OLED Research Lab

**Project Location:** Building 82D, 4<sup>th</sup> Floor, Rochester, NY  
Worldwide Licenses: Japan, Taiwan, USA, United Kingdom

**Project Size:** 3,500 sq. ft

**Project Status:** Constructed 1996, Tech Transfer ongoing through 2006

**Client References:**

- Raj Rajeswaran, Vice President, Kodak, 585-722-5106
- Steven A Van Slyke, Research Associate, Kodak, 585-722-1222

**Key AGI Personnel:**

- Abbie Gregg, Project Consultant
- Craig Rossrucker, Cleanroom Consultant
- Mei Yen, Technology Transfer Consultant

**Project Features and Challenges:**

- R&D Accessible to Manufacturing Partners
- Clean Class 100 to 1,000 and Support Spaces
- 6" x 6" Glass Substrates
- Revolutionary Display Process
- Proprietary Tools
- Limited floor to floor space
- Existing labs and facilities must remain operational in surrounding building
- Showplace for clients but houses proprietary tools
- Limited budget

**Services Provided by AGI:**

- Site Selection
- Cleanroom Design: Programming through Construction Documents, and Construction Administration
- Tool Procurement Assistance
- Tool Hook-up
- Start-up Support
- Process Engineering Services
- Technology Transfer to Worldwide Licenses (Asia, Europe, US)

**Challenges met by AGI through:**

- Provided Business Case options for pilot line and production in various locations using product and factory cost models
- Creative use of Plenums, Flush Grid Ceiling, recirc AHU in Utility Chases.
- Optimized clean class while retaining flexibility
- Carefully planned tie-ins to existing utilities
- Clean Aisle parallel to viewing aisle allows full visibility with glazing to show desired support spaces
- Some areas used solid panels and bulkheading to "hide" proprietary tools.
- Project cooperation between owner's research team, owner's facilities groups, architect, MEP Engineers and cleanroom consultant/IE (AGI) throughout the project (from concept through tool installation) allowed the project to meet timeline and budget.
- Value engineering resulted in optimized solutions for air handling, process piping, and room finishes.
- Successfully produced OLED Display Prototypes, LCD Substrates and New OLED Technology for Kodak and their Licensees for over 10 years to date.

