



AGI

Abbie Gregg, Inc.

PerkinElmer Optoelectronics Sensor Panel Fab Expansion

Project Name: PerkinElmer Optoelectronics, Sensor Panel for X-Ray Imaging and Fab Expansion

Project Location: Santa Clara, California, USA

Project Size: 23,000 sq. ft. Existing Fab, 16,000 sq. ft. Renovation, 39,000 sq. ft. Total Cleanroom Space

Construction Cost: Approx. \$10M

Professional Services Provided: 2006-07

Project Status: as of March 2008, Tool Installation and Start Up

Client Reference:

- Brian Giambattista, Director of Engineering, (408) 565-0895
- Kai Zhang, Process Development & Sustaining Engineering Manager, (408) 565-0740

Project Features:

- Amorphous Silicon (a-Si) X-Ray Detectors
- Expansion to Existing Cleanroom
- Construction During Volume Ramp
- State of the Art FPD Tools, US and Asian Tool Vendors
- Structural Changes in Existing Building

Services Provided by AGI for Project:

- Audit of Facility for Yield Improvement
- Analysis of ESD, Contamination, Production Flow, Bottlenecks, and Optimization of Work Flow
- Capacity Expansion Options Study
- Capacity Model for Expansion
- Study Tool/Layout/Utility Options for Gen 3-5 Glass Sizes
- Facilities Analysis and Design Consultation
- Assistance with Tool Acquisition / Relocation
- PECVD Tool Qualification

Key AGI Personnel Associated with this Project:

- Abbie Gregg, AGI Project Executive
- Mark Strnad, AGI Project Manager
- Craig Rossrucker, Industrial Engineer
- Mark Winter PE, Chemical Engineer
- Michelle Hartig, Industrial Engineer



Link Aisle, Oct 2007



Photo Lithography Bay, Oct 2007



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