



Integrated Engineering Services

*A Full Service Engineering Firm
Delivering Innovative Designs
for Complex Life Science and
Microelectronics Facilities*

Electrical Engineering Expertise of the IES Team

IES has an experienced electrical engineering staff providing “state of the art” designs to help our clients fulfill their electrical engineering design requirements. Our expertise reaches across a variety of industries including: hi-technology manufacturing, commercial, education, government, and medical facilities. IES prides itself on having in-depth knowledge of the most recent design codes, standards, and requirements. This allows us to provide our clients with timely, cost-effective, and creative design solutions that meet their complex electrical engineering design requirements.



UC Berkeley CITRIS Project — IES was responsible for MEP design of new Class-100 and 1000 microelectronics R&D Cleanrooms including mechanical ventilation systems, state of the art process piping utilities systems, power distribution, lighting, Hazardous Materials Monitoring System, and central chemical transport and delivery path of travel for flexible Cleanroom operation.

Lighting Systems

- Interior Lighting
- Exterior Lighting
- Automatic Lighting
- Title 24 energy usage compliance

Power Distribution Systems

- Medium voltage radial distribution
- Low voltage power distribution (less than 600V)
- Cleanroom Class 1 through 10,000
- Modular Cleanrooms
- Uninterruptible Power Supply
- Harmonic mitigating equipment
- Data Center power systems
- Grounding systems

Standby Generator Power

- Power essential for life safety
- Legally required and optional standby systems

Low Voltage Systems

- Fire Alarm Systems
- Hazardous Materials Monitoring Systems
- Telephone/Data support systems
- Clock and paging, intrusion and controlled access systems for educational and general facilities
- Nurse call systems