GPG LEARNING LABS

INDOOR ENVIRONMENTAL QUALITY (IEQ)

Enhancing indoor air quality and occupant health



GPG Technologies Piloted at the IEQ Learning Lab

ONGOING EVALUATION

Germicidal Ultraviolet by Far UV, R-Zero, and Louvers International



- Uses light to disinfect air without increasing ventilation
- Reduce HVAC runtime by up to 70%
- Enhance occupant health: reduces transmission of viruses; 99% efficacy

ONGOING EVALUATION

Biotech IAQ Verification and Energy Assessment by SafeTraces



- Uses DNA-tagged particles sprayed into the air to map indoor air quality (IAQ)
- IAQ findings can be used to reduce HVAC energy use by up to 20% by reducing outside air
- Reduce capital costs, use strategic HVAC repairs/upgrades instead of full replacement

ONGOING EVALUATION

IoT Light Exposure Sensor by Blue Iris Labs



- Measures spectral power distribution to provide a holistic understanding of light quality and impact on circadian rhythms
- Supports better lighting control strategies that improve occupant health such as mood, sleep, and hormone regulation