

## Indoor Air Quality improvement at Hillhouse Construction, a Green Builder in Silicon Valley



### PROJECT SUMMARY

Hillhouse Construction is committed to building sustainable work environments that help people thrive and companies prosper. For over a quarter century of building in the Bay Area, Hillhouse Construction has created hundreds of highly technical, architectural award-winning work environments using cutting-edge sustainable building methods.

Constantly searching for new sustainable building practices, Hillhouse engaged PURETi to evaluate IAQ and test claims of remediation efficacy in their corporate headquarters. Baseline TVOC levels were monitored for a week and ranged from 222 ppb to 337 ppb. These better-than-average baseline levels were likely due to the Hillhouse Construction's commitment to low TVOC emitting materials and an existing awareness of the importance of indoor air quality.

---

### EXECUTIVE SUMMARY

---

- **Industry:** Commercial Office
- **Customer:** Hillhouse Construction
- **Scope:** PURETi Clear applied to windows, skylights and fluorescent light fixtures in a commercial office building and warehouse with LEED Gold certification pending

### CHALLENGE

- Improve indoor air quality (IAQ) by 50% or more.
- Demonstrate an effective and sustainable IAQ improvement alternative to traditional mechanical solutions.

### RESULTS

- Within 3 weeks TVOC levels dropped over 60%.
- Hillhouse's green construction service portfolio now includes PURETi surface treatments as part of the indoor air quality testing and management solution.

# Solution

PURETi Clear was professionally applied to the interior windows, skylights and florescent light fixtures throughout the space. Post-application TVOC monitoring performed just 10 days later showed that TVOC levels had dropped over 60% on average throughout the facility, with a maximum improvement of over 70%.

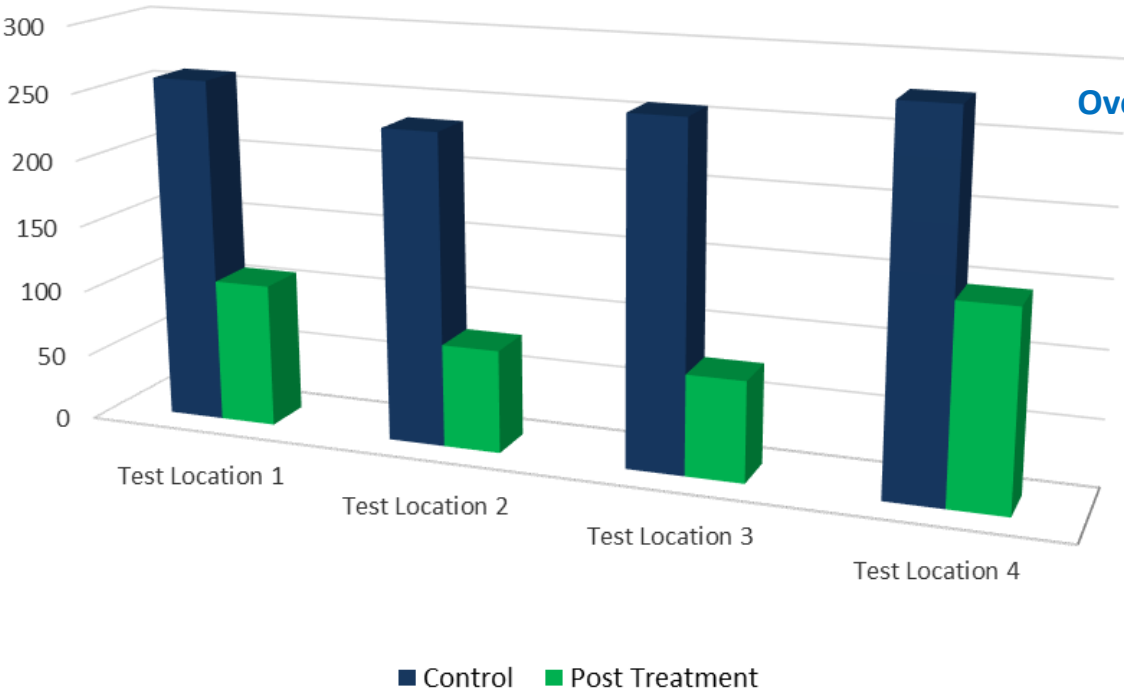
The successful outcome of the PURETi Clear application demonstrated that this simple, cost effective interior spray application is a sustainable way to improve indoor air quality and help create healthier work environments.



*"I was initially very skeptical about PURETi's indoor air quality improvement claims. I just couldn't believe that a simple spray application on windows and light fixtures could reduce TVOCs by 50% or more, especially in a space designed with low-TVOC emitting materials. I'm happy to say that PURETi delivered a better than promised result and I will be talking to our customers about this cost effective solution going forward."*

Hillhouse Project Manager

PURETi IAQ Improvement Project Result (TVOC PPB)



Over 60% improvement in indoor VOC levels after treatment



GrayWolf AdvanceSense TVOC meter

For more information about PURETi product solutions contact 1-855-5PURETi, or visit [www.pureti.com](http://www.pureti.com)

**Corporate Office**  
10931 Reed Hartman  
Hwy, Suite C  
Cincinnati, OH 45242

