

Customer Experience: Laboratory



SITE:

Finnsementti Oy
Parainen

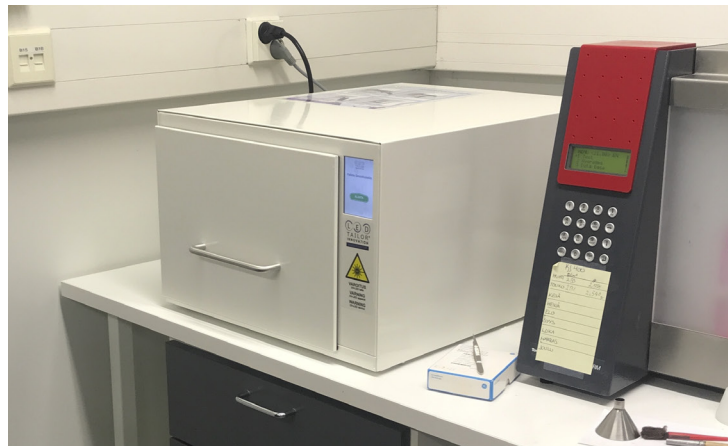


PROBLEM:

The laboratory at Finnsementti handles a broad range of samples, including recovered fuels and production process water. As the substances derive from waste, microbial risk is always present. The laboratory needed an automated disinfection system that would prevent the growth of bacteria, including legionella, and other microbes. They first considered using UV light, but UV suppliers failed to deliver proof and calculations of the efficacy of their systems on this particular class of bacteria. LED Tailor had the necessary calculations, and the harmlessness of blue light on materials and employees was another factor favoring the choice of LED Tailor.

SOLUTION:

WiSDOM AiR photon disinfection lights were installed in two laboratory spaces, and general lighting was replaced with white ANTiBAC LED tubes. The system is controlled with automatic motion sensors in the fuel laboratory and with a standard switch in the other lab. All surfaces were treated with catalytic coating to boost the effect of the lights. For quick disinfection of small objects, a WiSDOM DS unit was also purchased.



BENEFITS:

“The blue lights improve work safety and minimize risk in our laboratory facilities, and we have been able to minimize the use of cleaning chemicals. The WiSDOM DS unit is used to clean cameras, mobile phones and other equipment we use in our research of alternative fuels. It is quite easy to use. The feedback from employees is positive, and our other departments have also expressed an interest in the LED Tailor disinfection solutions.”

– Ursula Kääntee, Quality and Process Development Manager