

AquiSense and NS Nanotech Collaborate On UV-C Tech

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AquiSense Technologies, a maker of UV-C LED disinfection technology, is working with NS Nanotech on the development of a solid-state broadband UV research device. NS Nanotech's patented technologies draw on a decade of work on nitride semiconductors by researchers at McGill University and the University of Michigan.

The device will be powered by a solid state UV lamp that emits wavelengths from 200 nm to 400 nm, developed by [NS Nanotech](#). This device is designed for research into key disinfection wavelengths such as 220nm (Far UV-C), 254-280nm (UV-C) and 290-400nm (UV-A and -B).

The collaboration between [AquiSense Technologies](#) and NS Nanotech will offer researchers reliable, low footprint tools, as part of AquiSense's PearlLab Beam product line; one device to test all wavelengths within the full UV spectrum and another focused on the 220nm, or Far UV region.

"This partnership signifies a shift in how we can research spectral impacts of UV on various mediums and organic material" said Oliver Lawal, AquiSense CEO. "Due to the early stages of Far UV-C, much more research is needed on its effects as a disinfectant, we wanted to provide that research tool so we can more effectively expand into consumer markets if Far UV-C is found to be unequivocally safe. Expect this product to be ready to purchase in the coming year," concluded Lawal.

"It is great to be working with leaders in the solid-state disinfection industry," said Victor Hsia, VP of sales and business development at NS Nanotech. "We believe our technology will revolutionise how we disinfect our world and we're excited to get this technology into the hands of researchers to quantify the safety and effectiveness of this breakthrough," Hsia concluded.

Read the [original article](#) on Compound Semiconductor.