

measure bulletin

Newsletter for the customers of Labkotec Oy

April 2019

Wicetec keeps wind turbines spinning

Finnish company Wicetec Oy provides wind turbines with a solution that makes problems with iced blades history. Instead of removing ice, the system anticipates icing conditions and starts heating the blades in advance. This avoids loss of production efficiency and, at worst, stopping the entire plant. The 12 systems delivered to the harsh conditions of Canada, and the following 15 more in 2019, require quality that lasts in the northern latitudes. Therefore, Wicetec has utilized Labkotec's ice detectors from the very beginning.



Wicetec Oy serves its customers all over Europe, Russia, China and North America. The innovation developed by the company, the wind turbine frost prevention system, is the result of over 20 years of determined research. Labkotec's second-generation ice sensors make the system even better in retrofitting and in new locations. The features of the **LID-3300IP Type 2** include, among other things, a remote upgrade capability that makes it easy to add new features. The device meets the PLd requirements for functional safety in accordance with the Machinery Directive.



Wicetec Oy's Project Manager Lasse Hietikko (left) and Managing Director Petteri Antikainen take Finnish expertise to the world.

Looking to the future with confidence

The collaboration between Wicetec and Labkotec dates to the 90's, when the technology was developed at VTT. The oldest system up and running was installed more than 20 years ago. In addition to high-quality and weatherproofness, Wicetec highlights Labkotec's smooth service. "When we started Wicetec, we wanted to keep our partnership going, because Labkotec's equipment detects icing conditions exceptionally well. Our projects are almost always urgent and cannot afford to wait. That's why it's great that Labkotec can serve us with fast delivery times. Despite this, the quality is excellent, and we haven't

had to spend time dealing with reclaims", says **Mr. Petteri Antikainen**, founder and CEO of Wicetec Oy.

Wicetec's Project Manager **Mr. Lasse Hietikko** appreciates the performance of the devices and the easiness of configuration.

The next 15 retrofit systems in Canada are located in severe icing conditions. "When ordering from Labkotec, we know we are getting tested and proven technology, so we feel confident about starting this new project. The future of our industry in general looks bright, as the need for wind power is now a recognized fact, and the market is growing rapidly", says Petteri.

So it's great to continue towards cleaner future. Good job Finland!



Labkotec's LID-3300IP Type 2 Ice Detector