

## A very significant opening for Lujabetoni in the wind power business – the company will start manufacturing concrete towers

**Lujabetoni has signed a giant contract with Nordex Finland Oy that is part of one of the world's largest manufacturers of wind turbines, the international Nordex Group. According to the agreement, Lujabetoni will deliver prefabricated concrete elements for towers of 26 wind turbines to wind farms built by Nordex Finland in Finland. The projects will create up to 100 new jobs at Lujabetoni's Kärsämäki plant.**

"We see great potential in the wind power business and want to be involved in increasing wind power in Finland. Nordex, as one of the world's leading actors, is exactly the kind of operator we have been looking for as our customer, and we are very pleased that Nordex chose Lujabetoni as its manufacturing partner," says **Mikko Isotalo**, CEO of Lujabetoni.

Wind power, as a renewable energy source, supports Lujabetoni's sustainability policy, and through wind power cooperation, the company can promote its own sustainable development goals. The rapidly changing world situation and energy shortage are also currently steering energy production towards renewable energy sources.

The historic agreement concluded now will bring a massive investment in Lujabetoni's Kärsämäki plant, which will be significantly expanded. A new large factory building will be built in the factory area, which will enable the manufacturing and storage of the products in question. In addition, almost four hectares of new, bearing storage area are needed.

"The level of requirements in the manufacture of wind power elements is high, and the schedule is tight. "Lujabetoni's extensive experience makes the demanding production of these high-strength prefabricated concrete elements possible," says **Tuomo Eilola**, Unit Director at Lujabetoni.

The towers to be built consist of Nordex technology. They are hybrid concrete-steel towers with a hub height of 168 metres. One wind turbine tower has 27 prefabricated concrete elements of varying sizes, with the largest being 5.5 meters x 20 meters and weighing up to 60 tons.

"The manufacture of the elements will begin as soon as the factory investment is completed in the summer of 2023, and the delivery of the elements for the first wind turbine will take place in late summer 2023. Deliveries of the next tower elements will begin in the spring of 2024, says Eilola about the schedule. "The factory investment is already in full swing," Eilola continues.

Tuomo Eilola says that wind power construction is a strongly developing market. "As the power outputs and yield expectations of the new power plants increase, so do the requirements for higher towers. High towers built as a hybrid structure are expected to become more common, and Nordex's technology is very competitive in these towers. Northern Ostrobothnia is ideally located as a manufacturing site for concrete towers, and we believe that the manufacturing cooperation with Nordex will continue for a long time.

**Lujabetoni** is Finland's leading concrete company and operates in all major sectors of concrete construction. Our primary customers are operators in residential building, commercial property and infrastructure construction, such as construction firms, developers, and specialist constructors such as concreting and pile driving contractors. We supply ready-mix concrete, precast elements and concrete products from a total of 27 factories. Lujabetoni also operates in the Swedish market through its subsidiaries and associated companies. [www.lujabetoni.fi](http://www.lujabetoni.fi), [facebook.com/lujabetoni](https://facebook.com/lujabetoni)

**Luja** is a third-generation family business and one of the largest companies in the Finnish construction industry. The company has almost 70 years' experience in the industry. The Luja Group consists of Lujatalo Oy, Lujabetoni Oy and Fescon Oy. Group turnover is EUR 800 million and the company has more than 1 900 employees in 32 localities. In addition to Finland, Luja has operations in Sweden. [www.luja.fi](http://www.luja.fi), [facebook.com/luja-yhtiot](https://facebook.com/luja-yhtiot)

“The degree of Finnish origin in power plant construction will increase considerably when the tower can mostly be manufactured in Finland. The agreement that has now been signed will therefore also have great significance for the national economy,” Eilola emphasises. This is highlighted by the significant number of new jobs, which is up to 100 new positions.

The Nordex Group, of which Nordex Finland Oy is a part, has more than 35 years of experience in the wind power business. With 9,000 employees, the company is one of the world’s largest in the development, manufacturing, project management and maintenance of onshore turbines. Nordex has already manufactured more than 2,000 concrete towers globally.

“We are very excited to introduce our proven concrete tower technology to the Finnish wind power market. The new tower design enables our Delta4000 platform to reach unprecedented heights reliably. This is the key driver in the forest-covered Finnish soil to maximize the business case for the wind power investors. We are happy to partner with Lujabetoni and their 70 years’ experience of the demanding precast concrete manufacturing competence”, comments Javier Alvarez Yoldi, Vice President Concrete Tower Global of the Nordex Group.

Based on data from the Finnish Wind Power Association, wind power construction in Finland is now more intense than ever before, and wind turbines are rising at a record pace. The number of projects currently completed and under construction reaches the peak power of 5,000 megawatts, but according to project data, there is room for growth in onshore wind power, up to 45,000 MW of peak power and thousands of new wind turbines.

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**Pictures** Nordex Group: <https://luja.emmi.fi/1/LXfjLvZ9c52V>

**More information about wind power:** <https://tuulivoimayhdistys.fi>

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