



[Elkem \(/\)](#) / [Media \(/media/\)](#) / [News articles \(/media/news-articles/\)](#)  
/ [Elkem to establish battery graphite pilot plant in Kristiansand, Norway](#)

21.06.2019

## Elkem to establish battery graphite pilot plant in Kristiansand, Norway

Oslo, 21 June 2019: Elkem invests 65 million NOK in a pilot plant for battery graphite located at Elkem Carbon's industrial site at Fiskå, Kristiansand. The aim of the pilot is to conclude process route and qualify products, as a basis for evaluating full-scale industrial production.

The lithium-ion battery market is expected to grow significantly the coming decade, driven by electrification of transportation and energy storage, and also other applications such as power tools, e-bikes and portable electronics. Graphite is the dominating anode material in lithium-ion battery cells and demand is expected to increase more than ten times from today's annual level of 150,000-200,000 tonnes over the next ten years. Meeting this demand requires significant new production capacity.



“The forecast for 2030 assumes that anything between 22% to 30% of the new sale of vehicles will be electric, and there are strong growth projections for other segments requiring battery technology and capacity. There are significant growth opportunities for a specialised product with a green footprint. Through our global position as an advanced materials company leveraging leading research on future materials and access to hydro power for production we have a unique position”, says CEO of Elkem, Helge Aasen.

“It is a pleasure to announce that we are moving forward and investing in a pilot for battery graphite. The aim of the pilot is to conclude process route and qualify products. This is a natural step towards an industrial line for battery graphite in Norway, and we will get considerable synergies by establishing it at our plant in Kristiansand with our existing knowledge base and close cooperation with internationally leading research environments within material technology, says Senior Vice President Carbon, Inge Grubben-Strømnes.

The pilot has been granted funding from Innovation Norway supporting the establishment.

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#### **About Elkem ASA**

Founded in 1904, Elkem is one of the world’s leading suppliers of silicon-based advanced materials with operations throughout the value chain from quartz to specialty silicones, as well as attractive market positions in specialty ferrosilicon alloys and carbon materials. Elkem is a publicly listed company on the Oslo Stock Exchange, and is headquartered in Oslo. The company has 6200 employees with 27 production sites and sales offices in a total of 28 countries worldwide. In 2018 Elkem had revenues of 25.9 billion NOK. To learn more, please visit [www.elkem.com](http://www.elkem.com) (/).

## Read also

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05.01.2018

### **From university to heavy industry: A slow transition**

It is nearly winter holiday, and us first year trainees have already reached halfway through our first trainee period in Elkem. My first placement has been at Elkem Technology in Kristiansand where I have had the privilege of being welcomed by many engaging colleagues, and working with a few remarkably interesting projects with plenty of guidance from enthusiastic co-workers, and a lot to learn. Along with that, the past four months have offered an abundance of excitement through many courses, traveling, social gatherings, and even a trip to Venice.

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09.02.2018

## Process Safety in a Silicones Plant

Two years after Bluestar Silicones was merged with Elkem in June 2015 and after the renaming of Bluestar Silicones to Elkem Silicones in June 2017, I had the great opportunity to be the first employee of the Silicones division to participate to the Elkem Trainee Program.

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