

Press release – Villeneuve d’Ascq, March 6, 2023

## **Fives selected by Vicat for the modernization of a grinding unit for the Xeuilley cement plant (France)**

On December 21, 2022, Fives FCB and Vicat SA signed a contract for the supply of a classification facility for the Xeuilley cement plant in France. With this order, Vicat Group renews its confidence in Fives Group, following the attribution in December 2021 of a contract for the execution of a complete clinker production line in Senegal.

### **| Two French groups committed to reducing the environmental impact of industrial processes**

Aware of the carbon footprint associated with its activity, Vicat Group is committed to the ecological transition by accelerating the decarbonization of all its activities, deploying the benefits of the circular economy and preserving biodiversity on its sites.

Convinced of the importance of industry to address the climate challenge, Fives Group has been developing disruptive technologies that enable manufacturers to meet their climate and energy transition challenges.

***"The industry of the future will be decarbonized or it won't be.***

***At Fives, we have made this motto our own for more than 15 years, prioritizing research and development programs to reduce the environmental impact of the technological solutions we provide to our customers."***

***Frédéric Sanchez - President of Fives***

### **| A reduced carbon footprint for a more efficient installation**

As part of the modernization of its grinding plant, Vicat was looking to increase production capacity and improve the quality of the cements produced while reducing the energy consumption of its installation. The new plant will implement Fives technologies that meet Vicat's performance requirements, to reduce and improve energy consumption. The facility will also ultimately produce new cements incorporating calcined clay, which will be produced on the site as part of the Argilor project; these cements will have a reduced carbon footprint.

### **Argilor project, supported by France Relance: low carbon cements based on active clays**

Clinker production is the most CO<sub>2</sub> emitting activity during cement production. Vicat Group has invested in new activated clay production capacities that will be used as a partial substitute to Portland clinker (the semi-finished product of cement, concentrating CO<sub>2</sub>), in order to produce low-carbon cements. At the scale of the cement plant, the Argilor project - named after the contraction between "clay" (argile in French) and "Lorraine" - will reduce the plant's CO<sub>2</sub> emissions by 48,500 metric tons each year, a decrease of about 16% at the site level.

***"These new cements will complement our DECA range of low-carbon solutions, with performances equivalent to conventional cements. They will provide an additional response to the latest environmental regulation for new buildings (RE2020)", according to Guy Sidos, Chairman and CEO of Vicat Group.***

### **| A high efficiency dynamic classifier for an optimal end product quality**

The project involves the integration of a new **FCB TSV™ 3600 THF** classifier and a **TGT®** filter with a filtration area of 2840m<sup>2</sup>, a 550kW circulation fan and associated equipment to link with the existing circuit. The control and electrical equipment is also part of the order, except for the PLC program, which will be done by Vicat teams for standardization purposes. The FCB TSV™ THF classifier will reduce the workshop's electricity

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consumption, and its quality of separation will ensure an optimal particle size for the finished product, guaranteeing good hydraulic properties.

### | A challenging project context, with strong requirements on facility shutdown time

The erection work will be done in two stages in order to minimize the shutdown time of the grinding mill. The first stage will involve the dismantling of some redundant equipment and the installation of new equipment, with a minimum of disturbance to the mill's production. Then a stage of connection of the new materials will be done during a production stoppage.

This new order confirms Vicat's confidence in the process solutions provided by Fives FCB and also our ability to manage turnkey projects in a complex environment (co-activity, production constraints, etc.). It is perfectly in line with the Vicat Group's strategy to reduce its carbon footprint.

#### About Vicat

With over 200 years of experience, Vicat is a leading industrial player in the field of mineral and bio-based construction materials. Committed to a carbon-neutral path through its value chain by 2050, the family-owned company currently operates in three main businesses: Cement, Ready-Mix Concrete (RMC) and Aggregates, as well as complementary activities to these core businesses. The cement group employs nearly 9,900 people and achieved consolidated sales of 3.6 billion euros in 2021. With operations in 12 countries - France, Switzerland, Italy, the United States, Turkey, Egypt, Senegal, Mali, Mauritania, Kazakhstan, India and Brazil - Vicat generates two-thirds of its revenues from international operations.

<https://www.vicat.fr/>

#### About Fives

Fives designs and supplies machines, process equipment and production lines for the world's leading manufacturers. From the first railway lines, to the Eiffel Tower elevators, to Factory 4.0, Fives has been designing the disruptive solutions and technologies that make industry for over 200 years. A pioneer in decarbonization and digitalization, Fives is always one innovation ahead thanks to its ability to anticipate customer needs. By responding to the specificities of each market locally, Fives combines economic and environmental performance in 25 countries thanks to its 8,500 employees. In 2022, Fives reached an all-time record order intake of over €2.8 billion.

Within the Cement & Minerals division, Fives FCB is a major French player in the cement and minerals industry, providing innovative and tailor-made solutions designed to maximize the energy efficiency and reduce the environmental footprint of cement producers' facilities.

[www.fivesgroup.com](http://www.fivesgroup.com)



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