

Press Release – Villeneuve d’Ascq, November 5th, 2024

**Fives has been selected by TCC Group Holdings for Taiwan operations
and by CIMPOR Global for Turkey and Portugal operations
to recycle 100% of demolition concrete.**

Fives, world leader in industrial engineering and pioneer in decarbonation, has been selected by TCC Group Holdings for operations in Taiwan and CIMPOR Global for operations in Portugal (as CIMPOR Portugal Holdings) and in Turkey (as OYAK Cement), key actors in their respective countries and committed to the production of low-carbon building materials, to **recycle 100% of the demolition concrete**.

The unique FCB Rhodax® technology developed by Fives will equip three new sites in Taiwan, Turkey and Portugal as of next year.

Aiming to become the lowest-carbon cement producers in the coming years, these three forerunners have found in Fives a key partner committed to offering industry solutions with the lowest environmental impact. This initiative paves the way for more sustainable, environmentally friendly construction.

« By valorizing the demolition concrete, more than 10% of the world CO₂ emissions linked with cement industry can be avoided. Thanks to our technology, the concrete from yesterday’s cities becomes a circular resource to produce the low-carbon concrete of tomorrow’s cities.

Alain CORDONNIER, Deputy General Manager of Fives, C.E.O. of Cement & Minerals Division

| **Fives’ innovative FCB Rhodax® technology revolutionizes the concrete recycling**

This unique technology stands out for its in-bed selective grinding process, which optimizes the liberation of concrete components. Combined with the FCB TSV™ dynamic Classifier, it ensures optimum recovery of gravels, sand and cement paste of unrivalled quality, transforming demolition concrete into a fully recoverable resource.

By re-using gravels and sand in the production of new concrete, this solution helps preserve natural resources by limiting the need for quarrying. Furthermore, the fine fraction can be reintroduced in the cement production process, significantly reducing cement’s carbon footprint.

« Semi-industrial tests carried out at Fives FCB Research and Testing Center near Lille followed by extensive quality tests on and using the products from the FCB Rhodax® have convinced us of the utmost performances of Fives’ solution. Those projects will support our circular economy strategies and differentiate us in the process due to advanced features on separation efficiency and process control. We are now very excited about our three installations start-up next year. ».

Berkan Fidan, Group CTO, CIMPOR GLOBAL

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About TCC Group Holdings & Cimpor Global Holdings

TCC Group Holdings (TCC) was established in 1946 and is one of the leading players in Taiwan's cement sector. Its main activities include the manufacture and sale of cement, cement-based products and ready-mix concrete. The company's ultimate vision is to improve the quality of life in all its aspects. Through the core platform of “cement, energy, environment”, TCC not only provides excellent services and products, but also reduces environmental and energy impact through manufacturing technology. TCC Group Holdings provides feedback to society through products, services, R&D, human resources, culture and the environment, constantly innovating to improve the quality of life.

CIMPOR Global Holdings is a group of companies created by Ordu Yardimlasma Kurumu (OYAK) and Taiwan Cement Company, which operates in the cement, concrete, paper and kraft bags sectors. A global and local player in the building materials industry, CIMPOR Global Holdings operates in the Netherlands, Turkey, Portugal, Romania, Côte d'Ivoire and Cape Verde, and includes the OYAK Cement, CIMPOR Portugal & Cape Verde and CIMPOR Côte d'Ivoire brands.

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 and industry 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 24 countries thanks to nearly 9,000 employees. In 2023, Fives reached an order intake of over €2.5 billion.

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

www.fivesgroup.com



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