LIME INDUSTRY UPDATE

World Cement **takes a look at the latest news from the lime industry.**

EuLA Roadmap

In December 2014, the European Lime Association (EuLA) issued a roadmap: 'A Competitive and Efficient Lime Industry'. The report outlines the challenges facing the lime industry, particularly with regard to energy efficiency and emissions regulations. The implementation of new technology – either by building new kilns or retrofitting existing ones – is expected to decrease fuel intensity by 8% by 2030. Further savings are thought to be possible using existing technology and future innovation, but there is a limit on what is plausible given the high energy requirement of the lime production process. The report highlights the possible means of emissions reduction, including changing the fuel mix, utilising waste heat and switching from horizontal to vertical kilns; however, since two-thirds of emissions from lime production come from the chemical reaction needed to create lime, such measures would not take care of the whole problem. Carbon capture and storage/utilisation is pinpointed as the measure with 'the biggest abatement potential of all'. The report states: 'Given the right technological development, economic situation and infrastructural

Ha Long Bay, Vietnam.

SIC has been contracted to construct a new lime plant near Ha Long Bay.

SIC wins Vietnamese contract

At the beginning of 2014 the company (HH) Huong Hai Group Company LTD located in Ha Long City, Vietnam, entrusted Italy's Società Impianti Calce Srl (SIC) with the construction of a new plant for the production of lime and derivatives. This is one of the most important projects in the lime sector currently under construction in the Indochinese region and is set to revolutionise the lime market in that area.

The new project is located close to Ha Long Bay, one of the most popular tourist destinations in Vietnam, known for its undisputed beauty and surrounded by 2000 limestone monolithic islands and pristine tropical forests.The new industrial area is located a few kilometres from the city in a hidden area and therefore has a negligible environmental impact.

The industrial site is located less than a mile from a natural fjord connected to the bay where there is already a cargo port used for transporting cement. A main road that that connects the bay with Hanoi is located just a few kilometres away.

In the first phase, the project comprises the construction of two double shaft kilns with rectangular section DSS 300, each with a production of 300 tpd of CaO and fired with petcoke or micronised coal, as well as two 15 tph hydration plants.

The project also includes the construction of a quarry connected directly to the production facilities via a belt conveyor that is more than a kilometre long and a plant for the drying and micronisation of the fuel.

Using a material with a high titre of carbonates (99.2%), the aim of the project will be to not only meet Vietnamese market demand for lime, but also to provide a wide range of high-value lime products and sub-products to the domestic and neighbouring markets, where demand continues to expand.

For these reasons, the project has been designed with a high degree of flexibility in the production and use of equipment that permit a tailored production for certain industrial sectors.