

Saint-Gobain PAM Canalisation installs largest induction furnace in Europe

French group can also recycle 100 percent of casting waste

An exciting project for ABP Induction in France: This is where Saint-Gobain PAM Canalisation is installing the largest induction furnace in Europe. The French group's goal is CO2 emission-free production. ABP Induction will install an IFM 9 induction melting furnace with a capacity of 30 tons. Commissioning is scheduled for May 2022, with production to begin on 1 June 2022. In addition, Saint-Gobain has developed a recycling service where 100 percent of the casting waste can be reprocessed.

Long-time ABP customer Saint-Gobain has already succeeded in a number of ambitious initiatives: the major recirculation project (circulation of industrial water, reducing consumption by two-thirds), gas recovery from the blast furnace (recycled for use in the Pont-à-Mousson plant), the exclusive selection of Ecovadis-labeled raw materials, telescopic technology to reduce the CO2 impact of transport, and the introduction of an energy management system at all sites, to name a few.

The investment in a large induction melting furnace is another step towards Saint-Gobain PAM Canalisation's ecological transformation. With the new furnace, production will no longer emit CO2 - this means a reduction in CO2 emissions of up to 10 percent per ton of cast iron produced by Saint-Gobain PAM Canalisation in Europe.

Further steps in the circular economy: 100 percent of the pipes marketed by Saint-Gobain PAM Canalisation in Europe are also manufactured in Europe – most of them even in France. Compared to imported pipes from Asia, this reduces CO2 consumption. Moreover, 100 percent of the cast material used by Saint-Gobain PAM Canalisation can be recycled indefinitely without any performance loss. To this end, Saint-Gobain PAM Canalisation has developed a recycling service for old cast iron pipes, avoiding all final waste. The old pipes are transferred to Saint-Gobain PAM Canalisation's plants, where they are broken into pieces before remelting them into new pipes.

The furnace that ABP Induction will deliver has a capacity of 18 MW. The challenge for ABP is the confined installation conditions at the customer's site. With a capacity of 120,000 tons of cast iron per year, the new furnace will increase production and allow the company to respond more quickly to customer requests. What's more, this furnace can be shut down and restarted more frequently, which provides greater flexibility in responding to demand.

About ABP Induction Systems GmbH

ABP is a leading manufacturer of induction furnaces and systems for inductive melting and holding for the metal and metalworking industries. ABP is an expert in melting, pouring, holding and heating iron, steel and non-ferrous metals with design, production, assembly and services for foundries, forges and steelworks. The ABP Induction Systems Group with over 400 employees has companies in the USA, Mexico, Sweden, Germany, South Africa, Russia, India, Thailand and China. It is represented by service and sales partners in most of the world's industrialized countries.

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