



REFRESH, UPGRADE, PERFORM

Kiln improvements

HYDROGEN KIT

SACMI for energy savings

Controlled-air kilns can be converted for operation with methane-hydrogen fuel mixtures that have a hydrogen content as high as 50%.

This combustion system lets users digitally adjust the composition of the methane-hydrogen mixture.



Optimized consumption
management

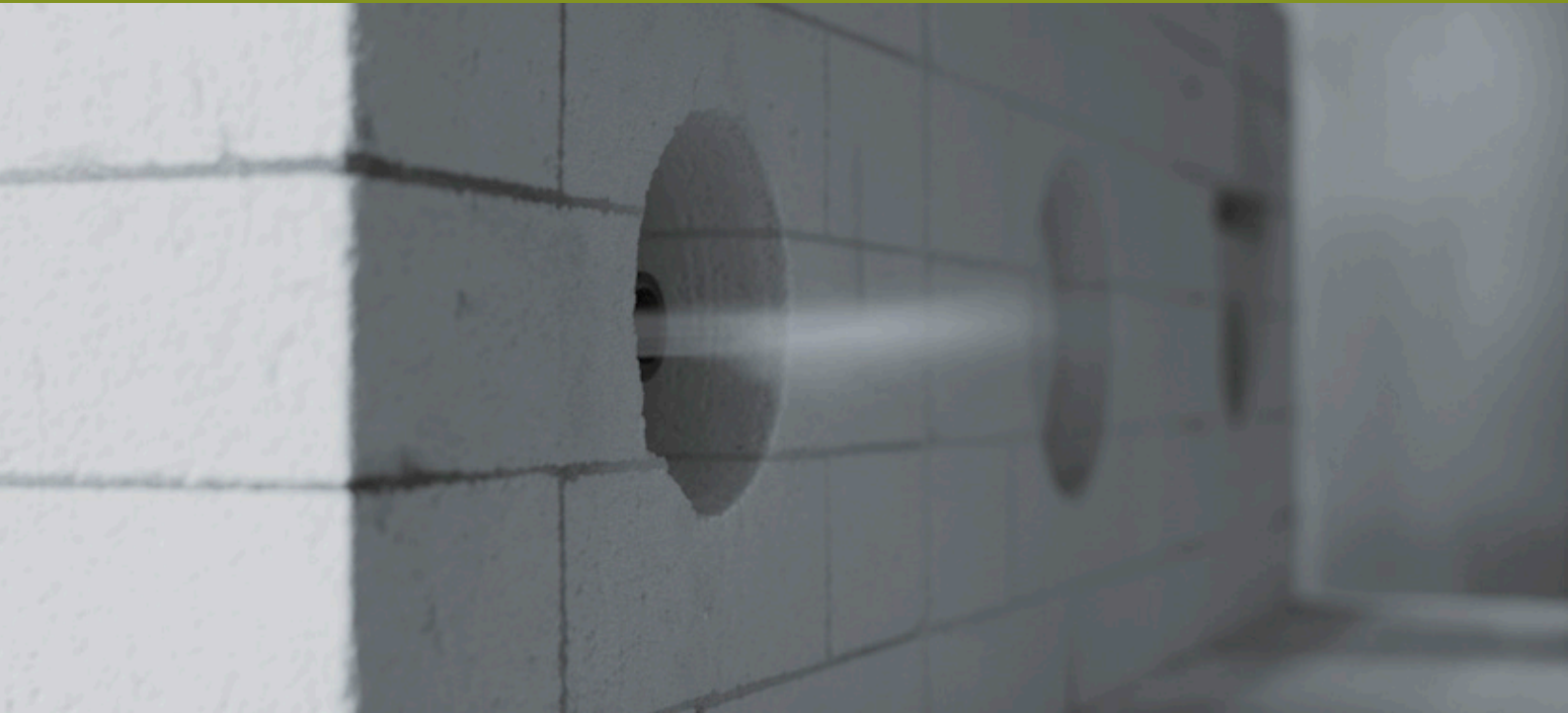
ADVANTAGES

- Ultra-high speed burners that remain stable under all operating conditions and with all mixtures containing up to 50% hydrogen (by volume)
- Lower CO₂ emissions in proportion to the percentage of hydrogen in the mixture
- Digital control of combustion ratios
- Digital control of recipes



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Technical features

The modification involves replacing the combustion system with piping and components suitable for operation with mixtures containing up to 50% hydrogen.

It also involves replacement of existing burners with VHS burners: these are specifically engineered to work with variable-ratio methane-hydrogen mixtures, ensuring perfect mixing and flame temperature/length at all times.

Software changes to manage the new control systems complete the conversion.