

# Concrete can be more eco-friendly, says Perrie

Major challenges facing the cement and concrete industries in future include reducing greenhouse gas emissions and the need for more durable structures, says Bryan Perrie, the newly appointed managing director of the Cement and Concrete Institute (C&CI).

Perrie says although concrete is perceived as a more

environmentally-friendly material compared to other materials, there is still scope to reduce the environmental impact of the concrete industry.

"The use of waste materials such as fly-ash and ground granulated blast furnace



**Bryan Perrie**

slag as cement, reduces energy requirements and carbon dioxide emission.

"Technologists and researchers must find ways to further reduction of emissions by using more of these materials."

Using alternative

and waste materials like fuel in cement kilns will also contribute to emission-reductions," Perrie says.

"There is a bigger demand for recycling concrete to reduce the need for virgin aggregate sources, with increased pressure in the future.

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