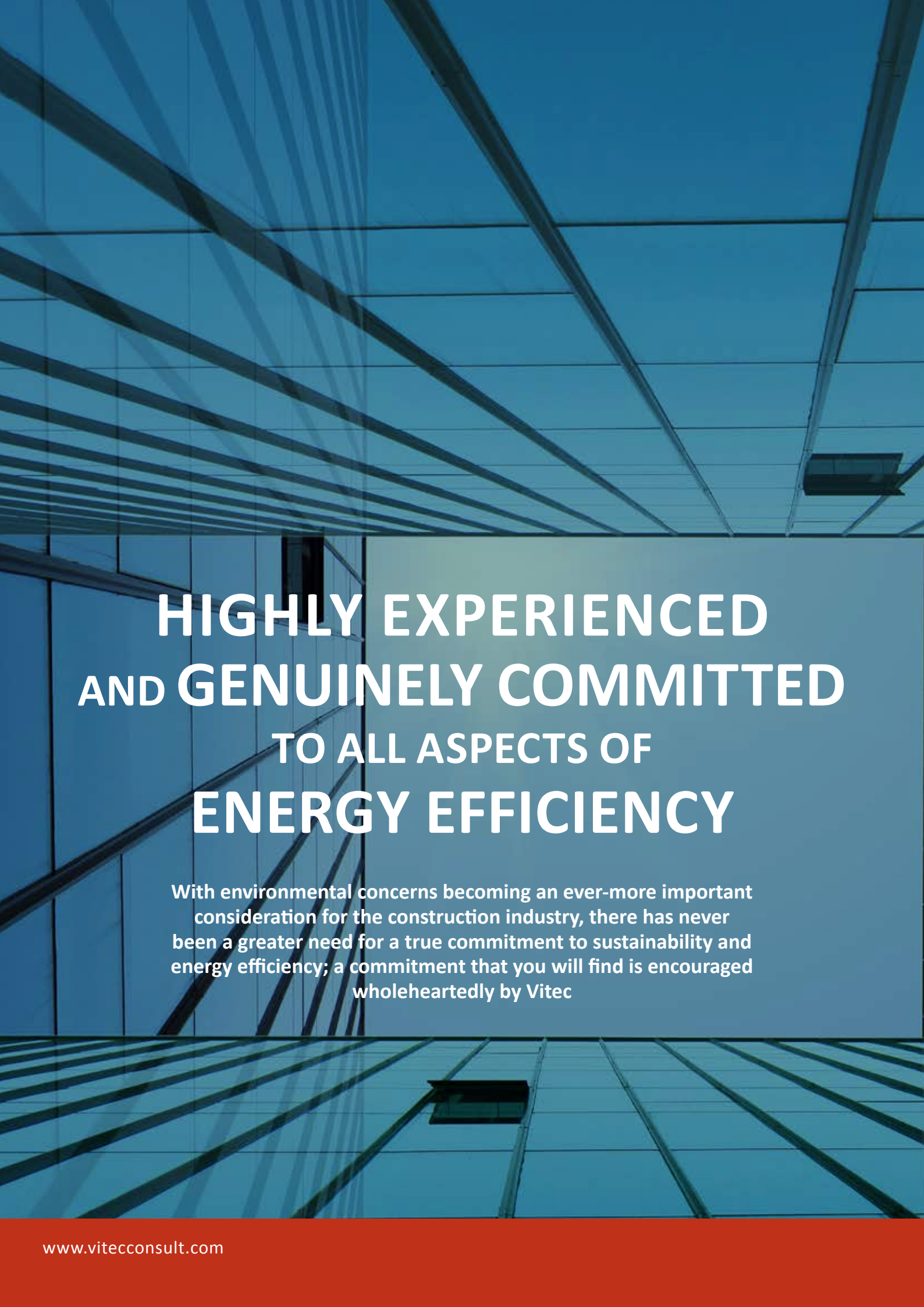




Vitec

Sustainability



HIGHLY EXPERIENCED AND GENUINELY COMMITTED TO ALL ASPECTS OF ENERGY EFFICIENCY

With environmental concerns becoming an ever-more important consideration for the construction industry, there has never been a greater need for a true commitment to sustainability and energy efficiency; a commitment that you will find is encouraged wholeheartedly by Vitec

SUSTAINABILITY

Here at Vitec we provide creative and practical solutions, meticulously planned and tailored to ensure that our clients are making the most effective decisions to achieve their sustainability targets by offering a complete range of services that include:

- **Early environmental design guidance**
- **Building regulations Part L1 & L2 energy assessments, providing SBEM and SAP**
- **Dynamic 3D thermal and ventilation modelling to prove compliance and building regulations Part L**
- **BREEAM and Code for Sustainable Homes assessment and advice**
- **Energy performance certification**
- **Low and zero carbon (LZC) technologies**
- **Early environmental design guidance**

By using our clients' site-specific data to complete detailed computer simulations we can provide useful information on how the inclusion of LZC technologies can reduce the reliance on fossil fuels for a building's energy needs, ensuring the right technology is used and energy saving is at an optimum.

Our LZC design approach means we consider the use of all potential energy savings for a building, including:

- **High performance insulation**
- **Exploiting thermal mass**
- **Natural ventilation**

The inclusion of suitable LZC technologies, alongside other energy and resource-saving measures, forms a strategy for the basis of the design to follow. While services have a direct impact on factors such as CO2 emissions and water usage, the principles of reducing and then efficiently meeting demand should apply in all cases. Our engineers are highly experienced in all matters relating to energy efficiency and environmental issues, and not just those that apply to building services.

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