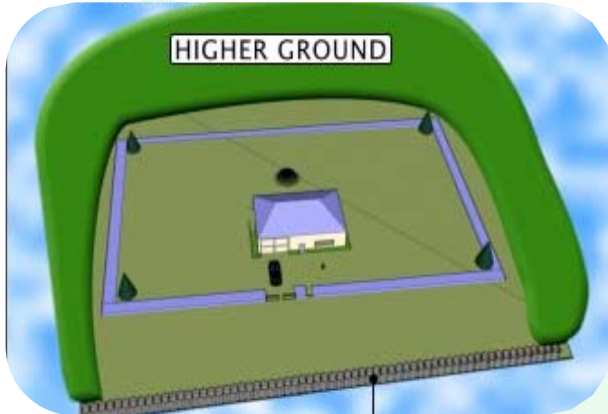




# Environmental Innovation Network work



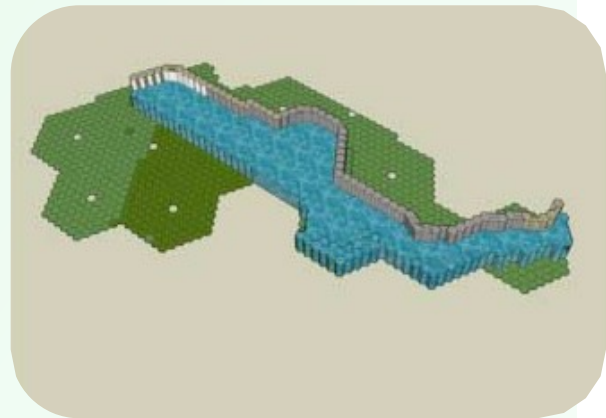
## Sarchex

Sarchex Ltd has benefitted from Environmental Innovation Network (EiNet) and subsequent university support for their innovative modular construction system using hexagonal elements that can be quickly clamped together to form a strong honeycomb structure. This support has helped with the development, attracting further funding and potential partners. Sarchex's system provides rapid deployment combined with low cost and flexible configuration, offering a building product that can deliver results in a fraction of the time of conventional building techniques.

The system uses creased sheet components clamped together to form a honeycomb framework. This

structure can be cast in concrete, or filled with any suitable material to make the required design. The novel construction has applications in the building, construction and highways sectors.

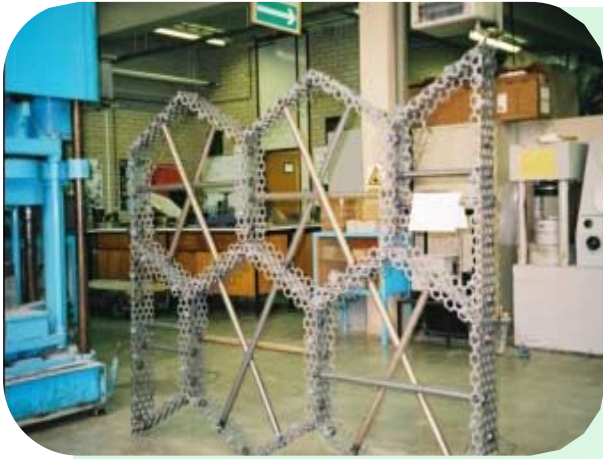
Having produced prototypes that had



performed well in laboratory tests, Matthew Roberts, Director of Sarchex Ltd, identified the importance of having an academic review of the system's test data at this stage of its development.



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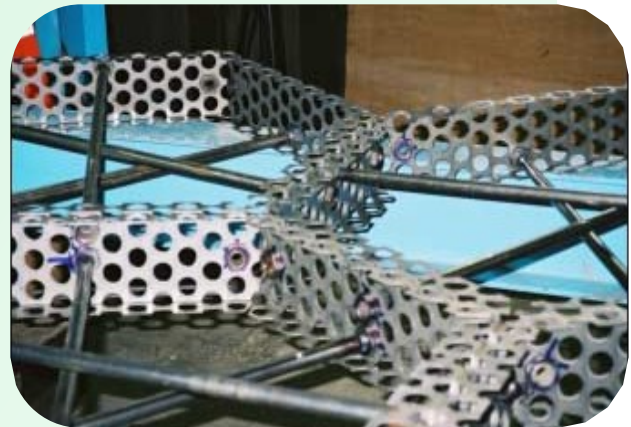


Nigel Reed Smith, a Broker with the EiNet engaged the University of Portsmouth to review the test data so far collected by Sarchex.

Having an independent review of the company's test data proved a great help to Sarchex at this stage of commercialising its technology. The resulting report was very comprehensive and impressive in its level of technical detail and offered the company some additional suggestions regarding its technology.

The EiNet's and subsequent

University's involvement assisted Sarchex with its application for additional R&D support from Innovate UK (the Technology Strategy Board). The company's application for an 'Innovation Voucher' was also successful and resulted in further testing being undertaken at the National Physical Laboratory (NPL) in Teddington. The company is currently identifying potential manufacturing partners for the technology to be developed under licence.



**The EiNet is an ERDF programme helping small and medium sized enterprises in the low carbon and environmental services sector (LCEGS) to gain access to University research and business support.**



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