

Terrain Fabrication Service helping to deliver Construction 2025

Over many years Terrain has established itself as a brand synonymous with innovation, quality manufacture, technical support and engineered drainage solutions.

Often these key outcomes are driven by industry and government initiatives introduced to challenge the construction industry to meet the rigorous demands of modern projects. One of the latest government initiatives is documented in their [Construction 2025](#) Industry Strategy Paper.

Following attendance at the Government's construction summit Don Ward, Chief Executive of Constructing Excellence, commented – 'Lord Deighton is always refreshing, and opened the summit by promising "it is not about new initiatives but getting stuff done". Ironically he was followed onto stage by Michael Fallon to launch the Industrial Strategy for construction. OK, the strategy is more of a vision than an initiative, targeting 33-50% improvements by 2025 in costs (thankfully both capex and whole life are mentioned this time), time, emissions and exports performance, and is silent on how to achieve these, so a lot of faith is put in the new Construction Leadership Council to deliver on the how. This Council has lots of progress to build on and plenty of ideas to draw on from organisations like Constructing Excellence, BRE, Buildoffsite and in academia. Let's hope it wants them.'

This Technical Bulletin details how Terrain Fabrication Services can assist to deliver the 5 areas of 'Clear Vision' laid out in the government's paper, these 5 areas are:

- People
- Smart
- Sustainable
- Growth
- Leadership

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In addition the Government is challenging the construction sector with targets of:

- 33% reduction in asset costs
- 50% reduction in emissions
- 50% faster delivery of the asset
- 50% improvement in Exports

Terrain Fabrication services will assist with all areas but particularly the focuses on People, Sustainable, Growth and the targets of reducing asset costs, reducing emissions and faster delivery of assets. Below each of these aspects will be discussed in more detail.

People

The government driver is to improve the perception of the construction sector and promote a high tech approach from design throughout construction to final use. At Terrain our investment in the latest design and manufacturing equipment enables us to deliver first draft designs in 3D, BIM libraries, factory assembled drainage stacks and truly unique problem solving fittings.

Additionally the Terrain Fabrication service assist in delivering a simple and quick to install solution where skilled labour is currently in short supply, benefiting not just the project time frame but also on-site health and safety. All of which helps improve the overall public perception of construction.

Smart

Here the government want to promote the use of smart construction and digital design throughout the sector.

Terrain's use of modern CAD systems for product development and system designs as well as our increasing product BIM libraries clearly delivers against this criteria.

If you wish to find out more about our BIM libraries please read our previous bulletin on the subject.

[See previous bulletin here](#)



Sustainable

Historically the construction industry has been accused of generating significant waste and not always employing the most environmentally sustainable methods to deliver projects. To improve the perception the government challenge is to provide innovation and value for money solutions whilst significantly reducing the waste streams.

Early engagement with the Terrain Fabrication Service enables project specific drainage systems to be designed and factory precision manufactured so on-site installation is a matter of simple connections. This approach will drive out on-site waste when installing the system as well as providing innovation and compact solutions benefiting the designers, contractors and end user.

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Growth

Primarily the government focus for growth is in expanding the UK's share in export markets. The Terrain Technical and Fabrication services can benefit export in regard to product design, innovation and even export of fabricated solutions. An example of which was a unique product developed for Project Sahara Forest in Qatar. Here the design and fabrication team were challenged to deliver a specialist fitting for use in a system that "grew" calcium for applications including production of an artificial reef. The images below illustrate the product designed, fabricated and now in use for this very project.



Unit designed for Project Sahara Forest



Complete assembly used for Project Sahara Forest

By also engaging with UK based architects, consultants and contractors working overseas Terrain can assist in delivering UK drainage solutions worldwide.

Leadership

The government driver for this area is to push the UK construction industry to the forefront of the global construction sector. As a UK owned and based manufacturer working alongside key UK based design consultancies and contractors Terrain can deliver this goal.

By continuing to develop our technical and fabrication offer to deliver sustainable, cost effective, easy to install and engineered drainage solutions we aim to remain a clear leader in the design, manufacture and delivery of quality drainage products.

By delivering against these 5 key government drivers the construction sector can certainly meet the challenging targets set, for drainage at least!!