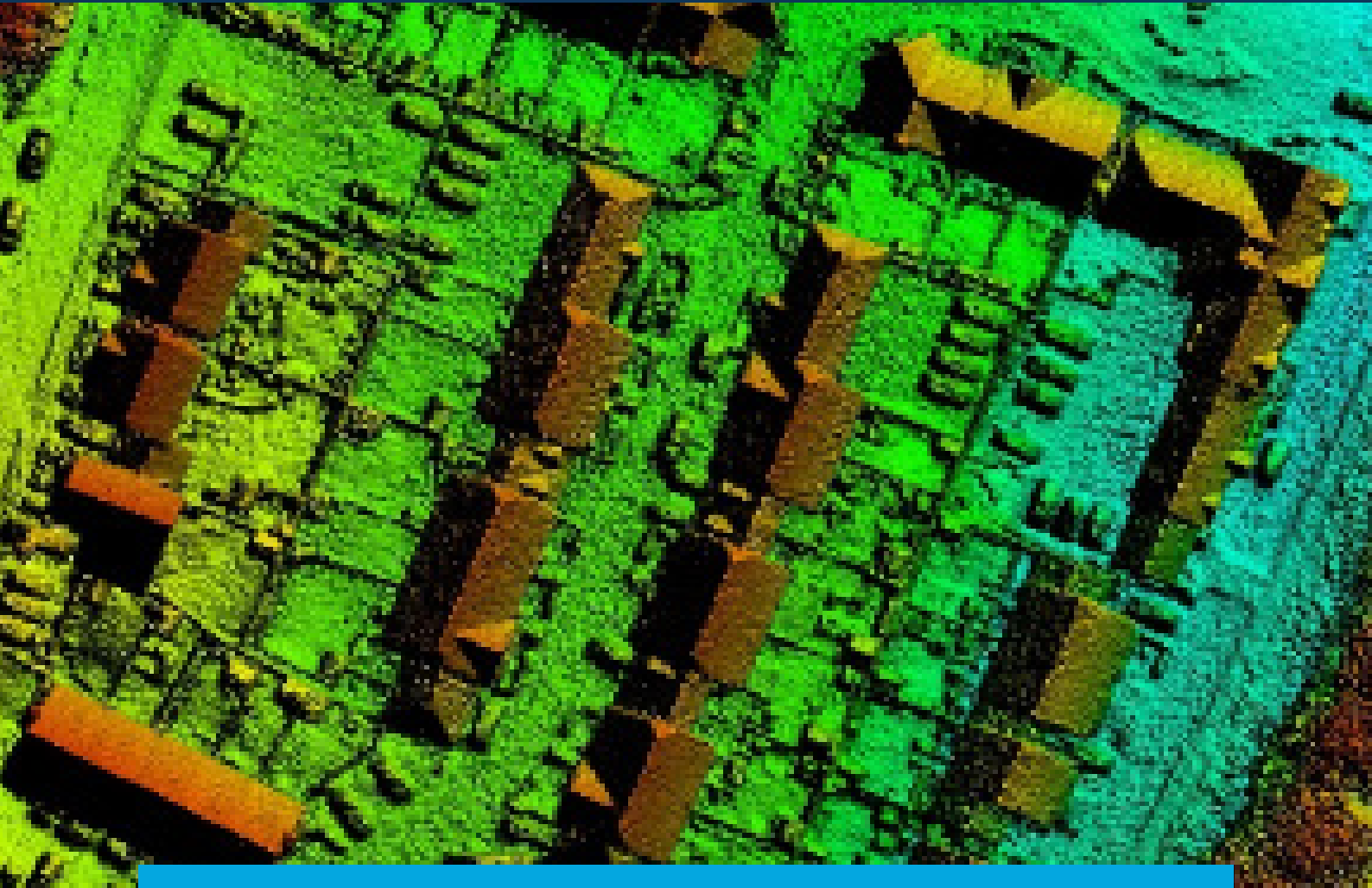


Scotland and Wales Heights **project**



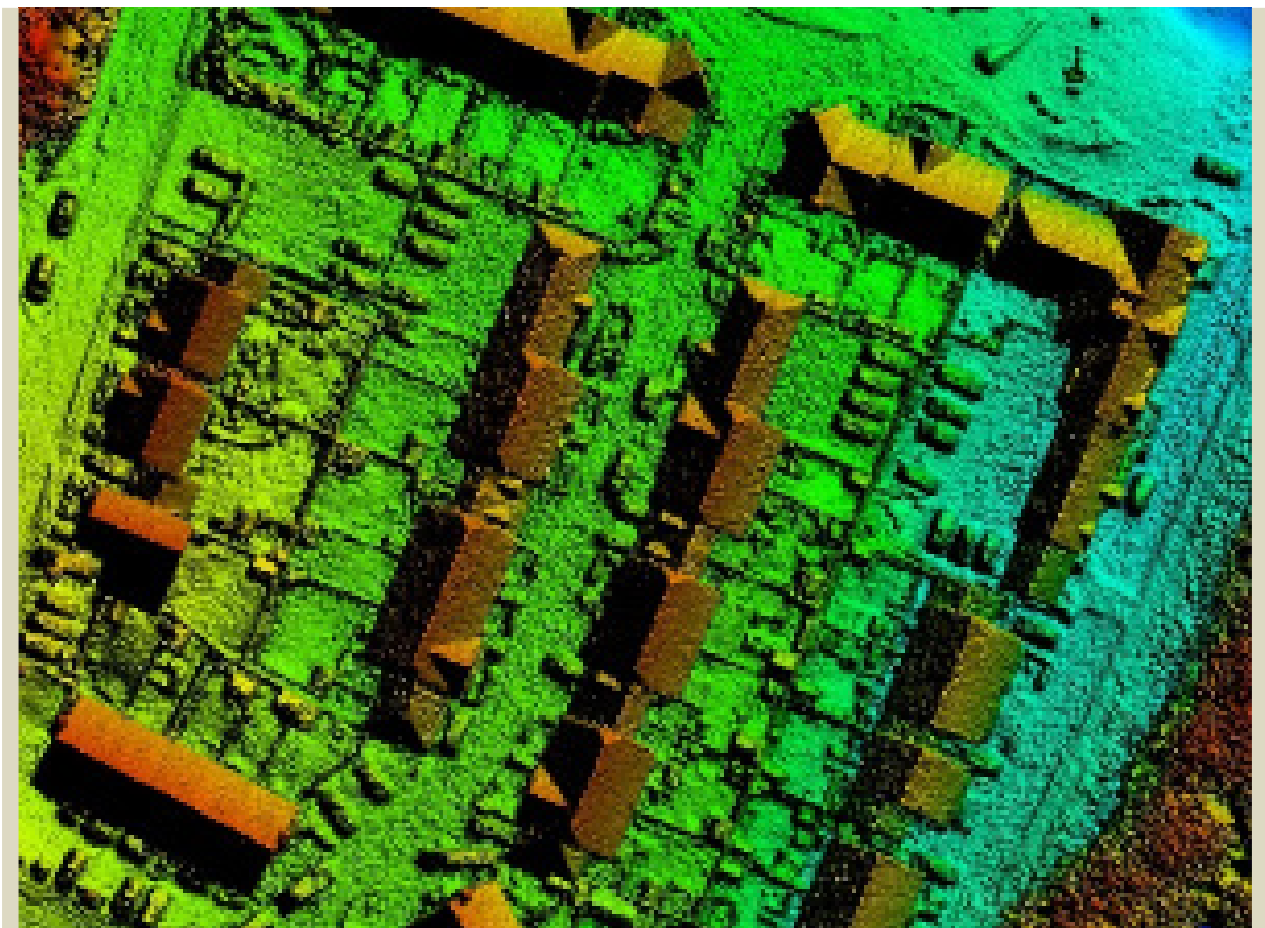
CASE STUDY

Introduction

In recent times climate change has created havoc in weather patterns across the world sparing neither developed or developing countries. United Kingdom has been one of the countries most affected by the erratic weather in the last decade with unseasonal storms, flash flooding occurring across the country.

In the year 2019 alone, UK has faced severe to moderate flooding as many as 7+ times. To counter this, the UK government has decided to upgrade its flood forecasting and mitigation strategies across the country.

One of the basic data required to understand the impact of floods and come up with the correct mitigation measures is a highly accurate, up-to-date elevation model of the terrain.



Project scope

SBL, in association with a major UK geospatial data and solutions provider has been providing highly accurate and detailed 3D digital elevation models (terrain data) for Scotland and Wales in the UK from the year 2018. The 3D elevation models are used in flood modelling and designing / implementing flood mitigation measures in Scotland and Wales.

As part of this contract, **SBL till date has created over 40,000 sq kms of highly accurate and detailed 2m Digital Surface models (DSM) and 5m Digital Terrain models (DTM) for 38 areas in Scotland and Wales.**

Project benefits

The elevation models created, have been used to improve and finetune flood mitigation measures in Scotland and Wales, saving countless lives and preventing damage to properties that would run into millions of pounds annually.

Tools used

- DT Master
- Microstation
- Global Mapper
- ArcGIS
- Terramodel.

Project duration

- From May 2018 onwards.

About us

SBL is a global Information Technology company that focuses on offering best-in-class technology solutions and services to businesses across the globe, thus enabling customers to achieve their ambitious growth plans and profitability by quickly adapting to market changes. Founded in 2005, SBL has expanded exponentially, catering to customers' requirements and offering them support through Technology Services. SBL also supports customers with their requirements for GIS, BPMS and Multimedia verticals.

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