



## Q Flow – helping us measure our carbon footprint in real time

Throughout 2023, Urban&Civic's Scope 3 carbon footprint was calculated through two methods: firstly, gathering materials, transport and carbon data from contractors using a bespoke template developed by us and secondly, using the Qualis Flow (Qflow) software. Qflow was trialled on The Glade building at Alconbury Weald, with the aim of capturing all carbon emissions from the materials, fuel and energy used during construction.

The process for data capture is extremely simple: a delivery or waste ticket is scanned by the contractor team on arrival or when leaving the site, which feeds through to and updates a live data dashboard. This provides information on the distance goods have travelled to site, which materials were the most carbon intensive and the compliance of materials to recognised sustainability standards. Similarly, the software records all waste data from materials taken off site, including the breakdown of waste categories and the associated carbon footprint with chosen disposal methods. The process outputted insightful results, showing that most of the building's embodied carbon arose from the quantity of concrete used. The emissions associated with materials and fuel, and the delivery of these, were significantly higher than those of the waste management and transport processes.



Innovation



Physical

Lindum

*“We have used Qflow for a recently completed project, we found the experience simple and easy to use whilst assisting us in gaining key data. Our Site Manager was able to upload documentation from site without issue. A key factor for us was to gain waste data we are able to use this to improve our efficiency on site and add to our sustainability targets in upcoming projects. Another useful tool is to monitor our deliveries which is used for calculating carbon which we see as an important aspect for the future.”*

