

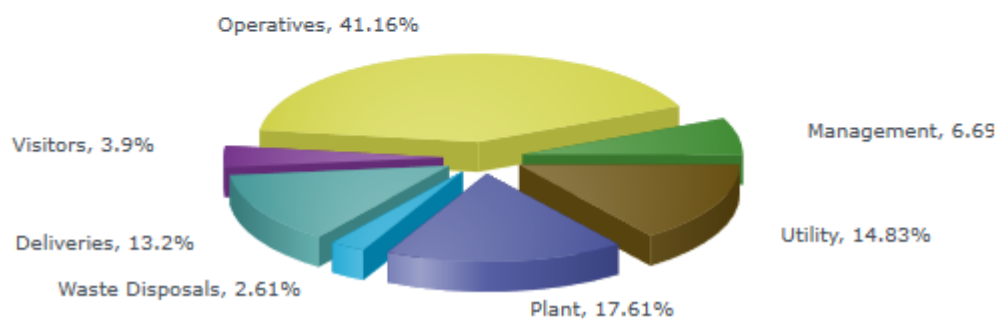
Baxall – Robust Carbon Management

Baxall have been understanding, monitoring and focusing on reduction of construction stage embodied carbon since Jan 2013

ConstructCO2 was a response to contractors looking for a simple, easy to use approach to monitor carbon within their influence. www.ConstructCO2.com monitors management, operative and visitor travel, material transport, fuel and utilities whilst also monitoring carbon reduction schemes – **through low or carbon free travel to sites, car sharing, material logistics planning, reducing transport of waste and soils from site and on-site offsetting approaches.**

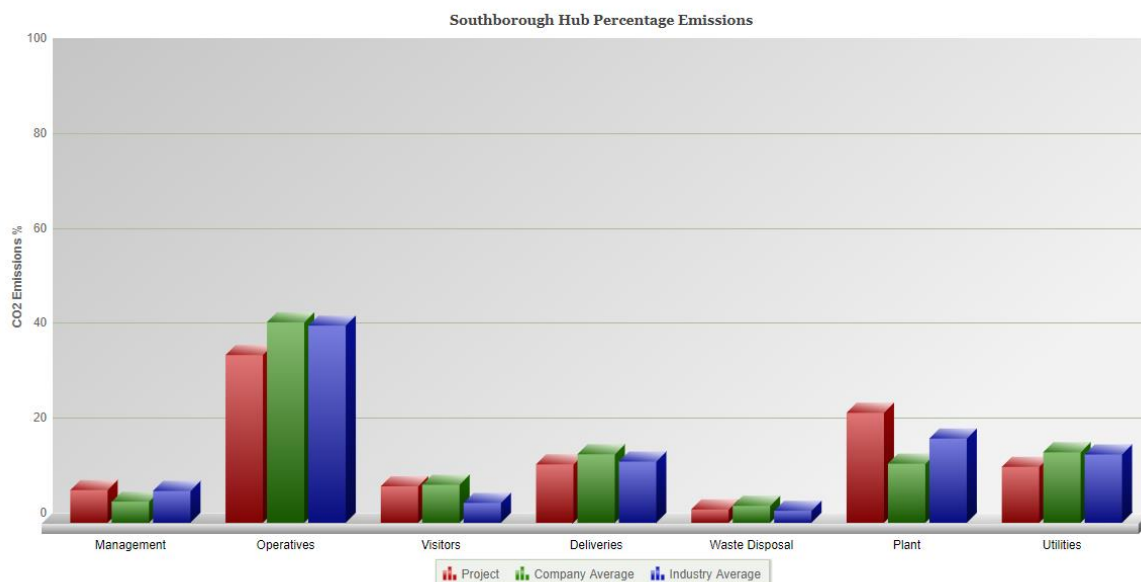
ConstructCO2 Benchmarks

Benchmark Emissions
Percentage Emissions By Type



Southborough Hub Percentage Emissions

Table Bar Chart



Printable version

21% of all journeys to Baxall projects are low or **zero carbon**,

Since 2014 Baxall can demonstrate a reduction on their construction projects footprint from an average of 32 kg CO2 for £1000 project spend in 2014 to 27 kg CO2 for £1000 in 2019/20

which equates to an increasing annual volume of CO2 saved – an impressive 120 tonnes in 2019.

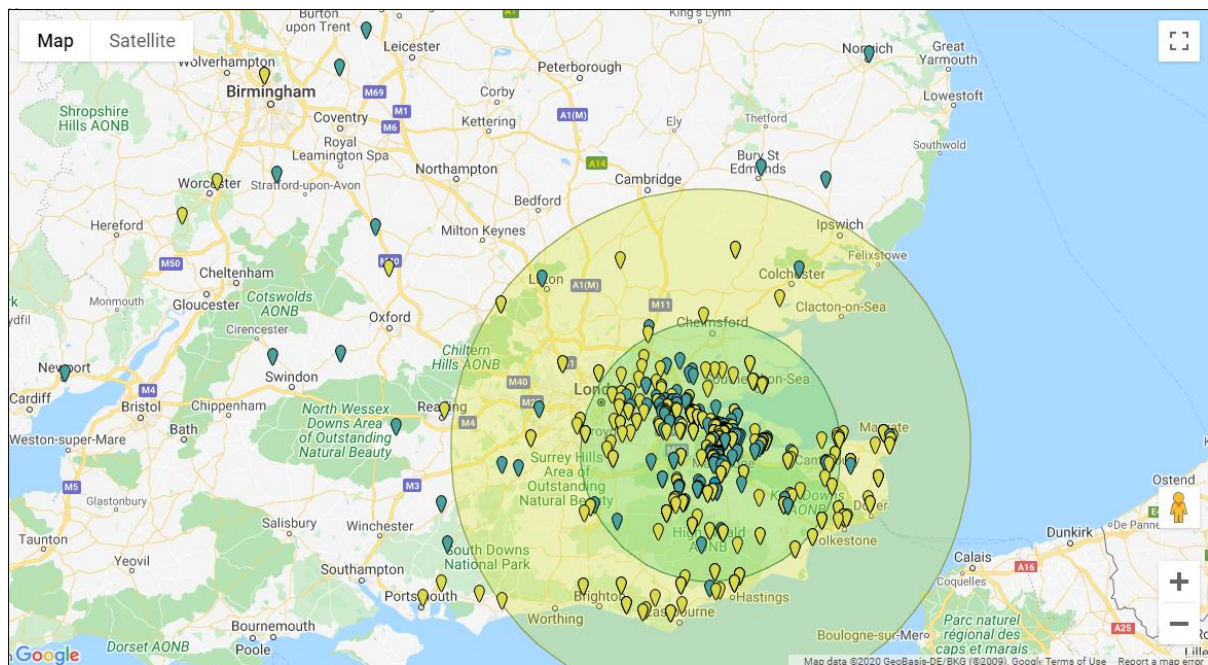
The current Baxall footprint is **27 kgCO2/£k** whereas the industry average of all other contractor and client projects on [ConstructCO2](#) is **44 kgCO2/£k**

Key to these successful is the robust focus and greater awareness on carbon issues at head office activities, on all projects and across the supply chain. Carbon reduction is a key element on supply chain awareness days over the last three years. Carbon Management is a core element of Baxall’s IMS and 14001 audits and reviews and audits

Importantly, carbon reduction is not the only focus, Baxall are exploring carbon productivity, looking at approaches that deliver an increasing value of construction for each tonne of carbon emitted, initially through internal benchmarking.

Within the current climate emergency environment focus to address upfront (embodied) carbon, reducing the travel and transport (which accounts for up to 70% of a projects construction stage footprint) whilst implementing innovative value engineered carbon avoidance solutions and increasing value has to be high priority for any construction contractor.

In addition to **Measuring** and **Benchmarking** our construction carbon footprint to enable us to **improve our Designs, Procurement and Delivery Processes** [ConstructCO2](#) has in addition provide us with the evidence (see below an example of a Supply Chain Map) we required to demonstrate our Localism strategy to our customers and motivate our supply chain to manage their emissions by car sharing, material logistics planning and reducing transport of waste and soils from site.



Commenting, Baxall Managing Director Malcolm Clarke said: *“The most effective way that we have found to reduce our project footprint is through a systems-based approach. By improving our processes on design, procurement and delivery, we have been able to achieve significant reduction of footprint. We’ve also spent a lot of time working with the supply chain to educate and include them in this mission. Looking to the future, we are aiming to improve our carbon productivity, ensuring that we get maximum value out of the carbon we do use and the reporting, benchmarking, through [ConstructCO2](#) and action planning will be key to achieving that too.*