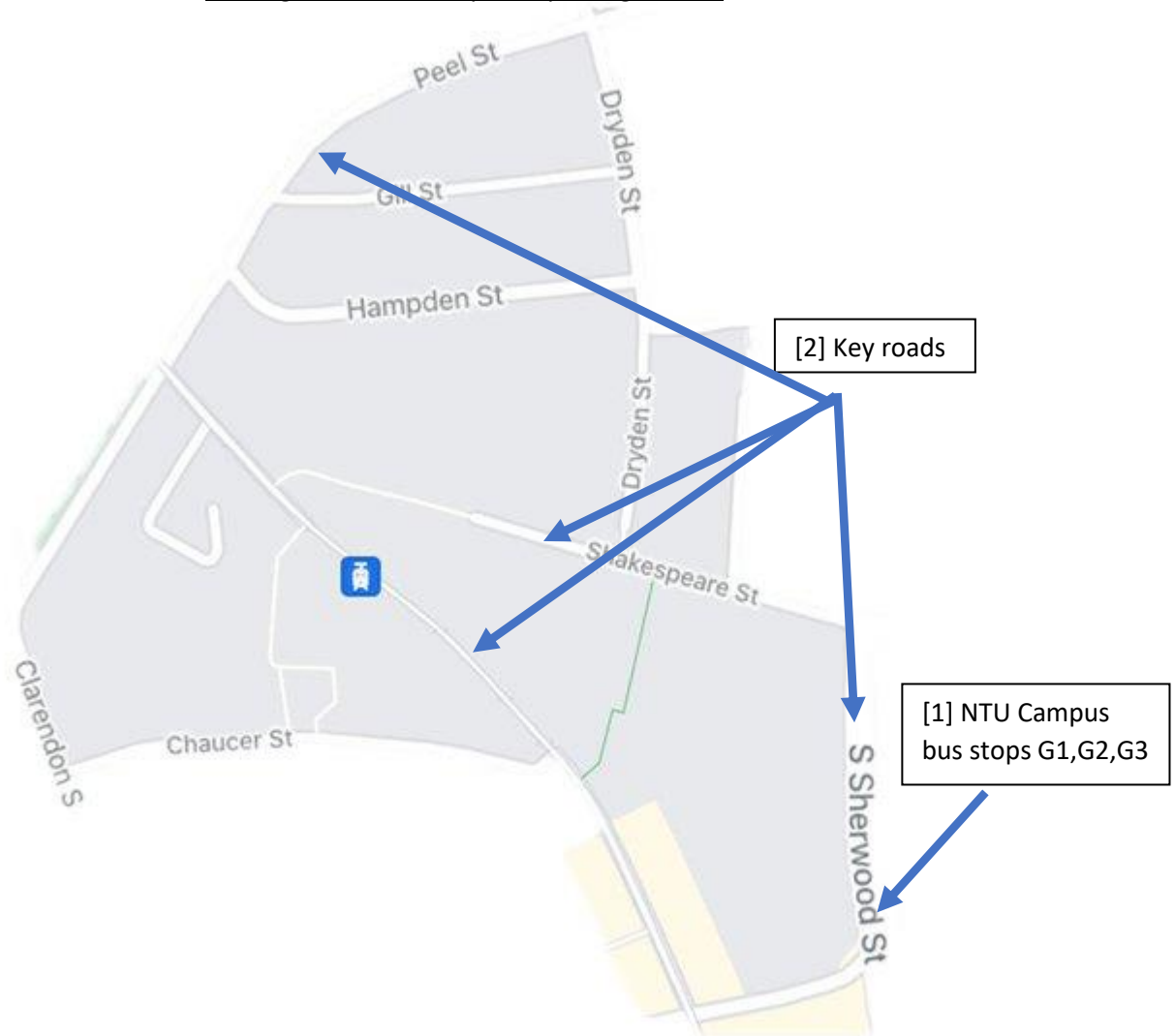


Nottingham Trent Campus Impacting Factors



[1] Bus Stops

There are three Bus Stops on the same street in roughly the same area on the outskirts of the NTU campus, the NTU City Campus G1,G2 and G3 bus stops. There are no other areas around the campus with buses.

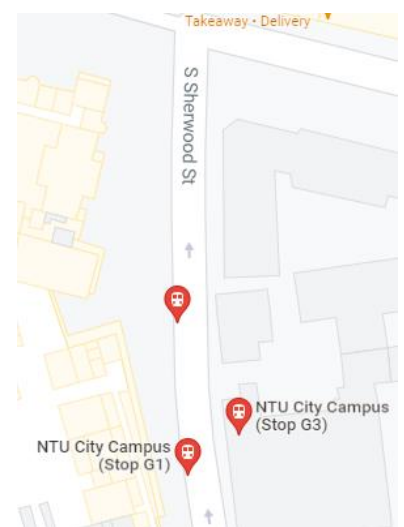
The G1 bus stop is for the 4 (and N4) bus service which aims to run every 7 minutes.

The G2 bus stop is for the 28 (and N28), 30,31,35,36 bus services.

The G3 bus stop is for the 15, 16, 16C, 17, 46, 47, 56, 57 and 57X bus services.

Open Source Data:

Open source real time (within 10 seconds) data is published by NCTX. This data contains the location and vehicle type of each bus at every moment using open street map. This data can be found at <https://www.nctx.co.uk/open-data> .



NCTX Bus Fleet.

<https://www.nctx.co.uk/fleet-list> contains a list of every NCTX bus and its make and model. The different models of buses used are ADL E200 MMC, Optare Solo SR, ADL E200, Scania ADL E400. Data for the amount of CO2 and other pollution produced by the Optare Solo can be found here <https://www.whatdotheyknow.com/request/68369/response/177155/attach/html/4/Response%20PDF%2011%208614.pdf.html>.

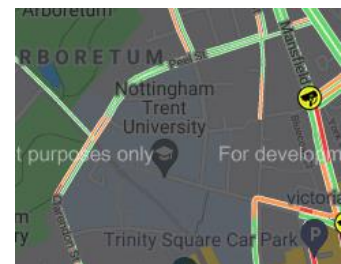
Biogas Buses.

NCTX has added biogas buses to its fleet, biogas buses that stop at the NTU stop is the 28, 17 and 36 route buses. These buses are claimed to produce up to 84% less CO2 emission when compared to its Euro V diesel equivalent.

[2] Road Configurations

The key roads that pass through the NTU campus is South Sherwood street, Shakespeare street, Goldsmith Street and peel street. With the key road being South Sherwood Street due to its lack of vehicle restrictions.

Live traffic data map that uses road cameras to analyse and denote traffic levels can be accessed via <https://www.itsnottingham.info/map.aspx> An example of the coverage around NTU City campus is shown to the right. An obvious alternative to this is using google, however it is difficult to find open raw data.



Any potential events or roadworks that cause traffic congestion will take place on the aforementioned streets can be accessed via <https://one.network/>

South Sherwood street

South Sherwood street has two lanes of traffic going northbound and one bus only lane going south. There are traffic lights on the northern edge of the street (and the campus) which can greatly cause congestion, with a large amount of stagnant buses waiting there.

Shakespeare street

Shakespeare street contains two single lanes in the eastern side of the road. However, on the western side there are travel restrictions with only buses and U1 permit holders can travel, greatly limiting traffic flow.

Goldsmith street

Goldsmith Street contains two single lanes. The northern side of the road is tram only and no other road vehicles can use this part of the road. The southern side leads to a traffic lighted crossroad, which could potentially cause congestion.

Peel Street

Peel Street starts at a traffic lighted crossroads and contains two single lanes of traffic up a hill. The road contains a public house with a carpark.

Air Flow