

Group03 Funding Recommendation

Using the blind spot functionality, the placement of bus stops can be improved. Västtrafik can send an inspector to ensure that a bus stop is a valid option at the given location. A way to speed up this process would be the investment into a drone that utilizes image recognition to evaluate if a bus stop can be placed.

The city planners should invest some of the funding in a fleet of autonomous buses. The tracked requests in the Request Load functionality can be used to understand how many people are interested in taking a certain bus. By using this information, the agile deployment of the autonomous buses can be triggered, to spread out the passengers over several buses, increasing the comfortability and availability of the buses.

The agility of the proposed system would allow for an overall smaller number of buses, since the autonomous buses can fill the gaps more efficiently.

The gathered data from the requestload-heatmap should also allow for investments in improving the bus stop itself. Highly frequented bus stops can be increased in size and comfort, to make the use of public transportation more attractive.

Another potential investment could be to offer free wifi in the buses if you have payed your ticket on the phone. The data generated by this can be used to visualize how full the bus is in the Västtrafik app and also to speed up the ticket checking process.