

# BuddhaBot

Peace and quiet in the city. Courtesy of BuddhaBot.

All you need to know, inside.

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Living in the city is  
great, but it can be  
better.

You wouldn't want to trade your life in the city for anything else but sometimes the daily hassles get to you. The crowds, traffic, and the noise add up over the weeks and sometimes you need to get away.

But you don't need to spend hundreds of dollars on a vacation. You don't even need to leave the city.



# Peace and quiet in the city.

## Courtesy of BuddhaBot

The city is a diverse space, just as there are congested and noisy areas, there are uncrowded and quiet public areas for you to retreat to. BuddhaBot finds these places for you.

BuddhaBot and its family of firefly robots go around the city and look for areas with little noise pollution and little foot traffic. These places are called **LotusLocations**.

Information about LotusLocations will always be updated and available to you via internet or mobile.

**BuddhaBot is another friendly resource to help you work, play, and live in the city.**

# How BuddhaBot works:

BuddhaBot is a robot that acts as a hive to firefly robots. These fireflies fly around the city and analyze the city. They detect spots where there is little noise pollution and foot traffic and records these LotusLocations. BuddhaBot also houses a computer that processes the gathered data.

LotusLocations are dynamic and constantly changing. An area that is quiet may cease to be so. BuddhaBot constantly updates its maps.

You can access a map of LotusLocations via BuddhaBot's information network, **DharmaNet**. You can also provide feedback on the quality of these maps to BuddhaBot.

## Fireflies

BuddhaBot's family of fireflies are designed to be invisible. You will think they are just another ordinary fly, buzzing about the city.

The design of the fireflies are based off the robotics research done at the Harvard Microrobotics Lab. The fireflies also house a sensor that collects data about noise and foot traffic.

## Sensing

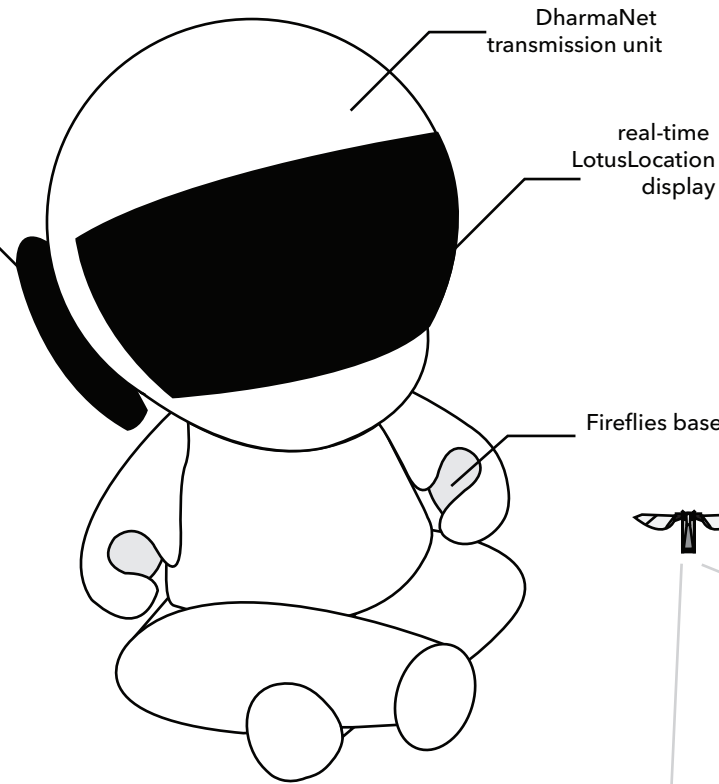
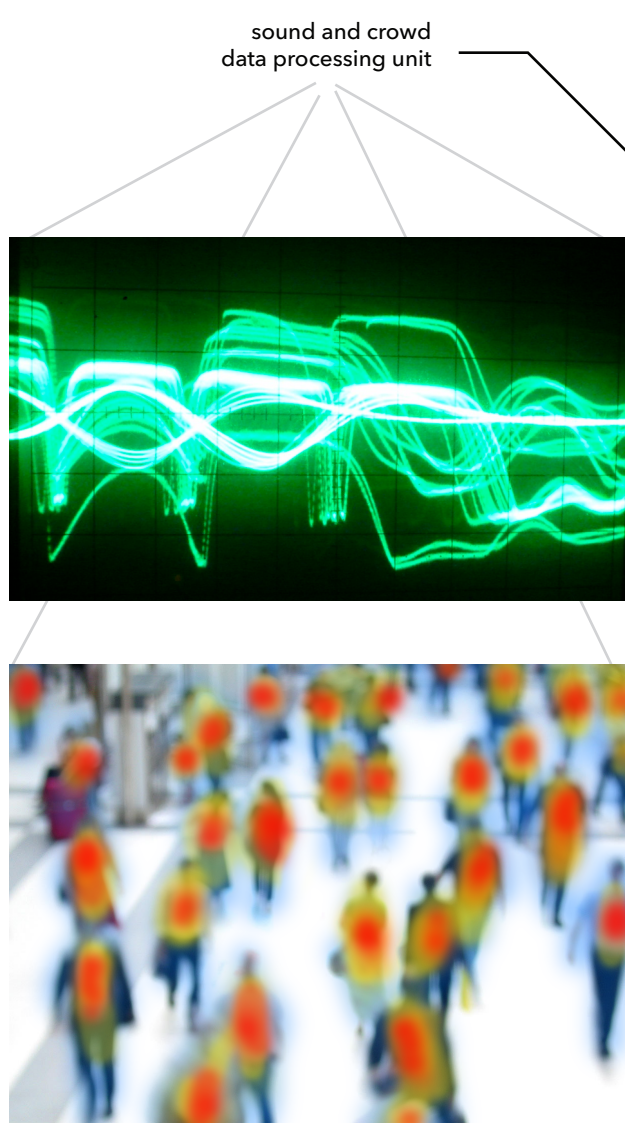
BuddhaBot processes information gathered by Fireflies by using SoundSense, a scalable framework developed by the Computer Science Department at Dartmouth. Using mathematical equations, BuddhaBot can analyze the noise and look for certain types of sound, such as traffic or talking. BuddhaBot looks for foot traffic by looking for heat signatures generated by people, in infrared data gathered by the Fireflies.

## DharmaNet

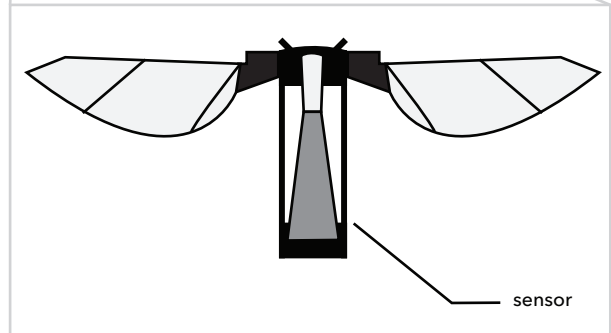
DharmaNet is a local network and is powered by technology developed at Stony Brook University. Each BuddhaBot acts as a node in the DharmaNet and is equipped with a WiFi transmitter and receiver. DharmaNet transmits maps of LotusLocations.

DharmaNet can be accessed using any WiFi capable computer or device, mobile, or the Internet.

# BuddhaBot Technologies

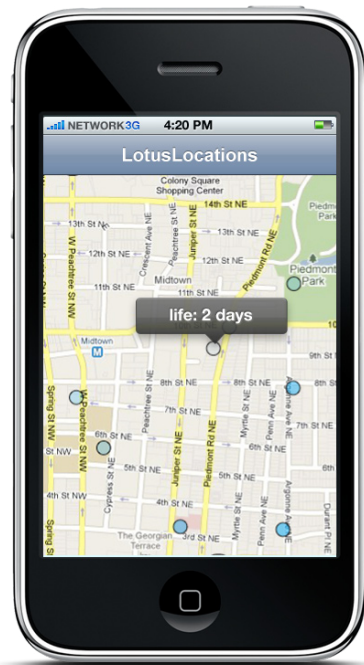


Fireflies base station



# BuddhaBot can help you anywhere.

You can use the BuddhaBot mobile application for Android and Iphone to see how far away you are from a LotusLocation. The application uses your phones equipped GPS functionality, to direct you to the closest LotusLocation. It also shows how long the LotusLocation has been in the database. The longer it's been in the database, more likely it has been discovered by other users.



# BuddhaBot is a **free city resource.**

We need your help. Please contact your representatives and ask them to support the BuddhaBot program. You can also show your support by joining our mailing list and signing our petition.

If you would like more information please call 800.198.8098