



POOPWATCH

PoopWatch is an enhanced sidewalk designed to monitor dog owners, and ensure they clean up after their pets. It tracks people walking their dogs on the sidewalk, and when the animal relieves itself, checks if the owner picks up the poop. If he fails to do so, the system notices automatically and proceeds with the following:



◆**PoopWatch** will place a bright outline around the dog poop, to ensure that any passers-by notice it and don't accidentally step in it.

◆**PoopWatch** will track the dog on the rest of its walk and draw a path from the poop to the dog, so that it can be identified and its owner brought to justice.



PoopWatch is equipped with pressure and temperature sensors on the entire sidewalk area. As weight is applied, the system can identify whether the walker is a human or animal by detecting the number of pressure points

following the path (two for a human, four for an animal). If an animal pauses and leaves something behind, the temperature sensors measure how warm the dropping is to identify it as poop or not. If it is recognized as poop, **PoopWatch** registers the animal as an offender and follows its footsteps.



The **PoopWatch** sidewalk consists of state-of-the-art magic asphalt which changes color when heat is applied to it. A network of heating pipes is embedded in the asphalt and controlled by a computer system which can independently address every square inch. This technology is used to draw the poop outline and the dog path once the offending animal has been flagged.