Engineering Goal

The goal of this project is to ultimately design, test, produce and manufacture an electronic device that can accurately track a bicycle from anywhere in the country. The reason for designing this device is to prevent bicycle theft by allowing the bike owner to view where their bike is located at all times. The tracker should be mounted to a bicycle and stay hidden from thieves. This device will have to last quite a long time without recharging and will thus have to draw minimal current to prolong battery life. The device/circuity should be as small as possible, preferably smaller than a AA-battery in length. There should be no third-party involved in receiving the co-ordinates, the end user should be able to retrieve the location themselves. This device should be designed in such a way that it can easily be manufactured.