Pfaffnick Unlimited: Open source for better social engineering

Lives will be saved.

Pfaffnick Ulimited is requesting that your development team design and produce an open source emergency response and awareness system that organizes first Responder Actions and facilitates the public's response in a emergency situation. Additionally an Emergency Manager Planner must be able to use the system. Robust, flexible, and scalable.

Promote improved effectiveness and efficiency in emergency response.

HARD REQUIREMENTS:

Able to be installed on Linux, OSX, Windows, iOS, and Andriod

Demonstrate functionality on one type of desktop and one tablet OS

Central server must be present through a linux server

Multiple users can use the software

Provide user documentation for customers of multiple skills levels (both installation and use)

First Responders:

Responders need to receive regular reports from the command center and geographical information so they can place themselves relative to other responders.

Responders should be able to submit incident summary reports to the Command Center.

When there is a local crisis/disaster, first responders need to be on-site with assigned duties as soon as possible.

A system that assists in deploying responders as quickly as possible.

Need to give and receive reports

The Public:

When a natural disaster occurs (e.g. tornado, hurricane, earthquake) it is often necessary for the public to evacuate the area in which they are located.

While major media often relay the evacuation orders together with information about road closures and routes, the announcements reach a wide geographic area and therefore contain information not necessarily relevant to any one individual.

How to provide individualized alerts in an expeditious way with geographic information.

Crowd source mechanisms for communication, reporting and other individual services is a big plus.

Emergency Response Planner:

In order to best prepare for an unexpected crisis, first responders and emergency managers engage in periodic exercises. These exercises can be in the field or “table top” (paper or computer simulations)

This software should not replace these paper/computer simulations, but instead facilitate them, providing an additional control layer beyond the existing Responder, Command Center, and Public interaction. Thus this additional layer should be invisible to the other stakeholders and can act as anyone of the various stake holders to act as proxies for the other stakeholders executing the simulation.

There should be a mechanism for analysis of the simulation to be able to provide feedback to the various stakeholders.

The software would be considered more successful if it can also be used to facilitate planning of the exercise and shown capable of promoting preparedness of actual disaster events.