

Abstract

A Rapid Warning & Evacuation System (RAWES)

RAWES is to facilitate the rapid evacuation of people in a building or any structure during a disaster such as fire, toxic chemical discharge, explosion, unsafe building/structure, etc. While there are already many systems in the global industry that has a warning and evacuation solution, they are largely audio/sound in nature. RAWES complements these systems by providing a visual display of the escape route away from the disaster area.

RAWES comprises of multiple LED display panels and the evacuation control software (ECS).

The display panels will be installed along the corridors on the wall or any other strategic locations according to the routes of an evacuation plan.

The LED panel displays an arrow moving towards the location to evacuate. It's connected via UTP Cat6 with or without POE. It comes in varying colours to differentiate the level of safety from the disaster area. Example **red** to represent danger zone, **blue** is safe zone and **green** is escape zone.

The computer system comprises of a POE or non-POE switch router, an interface controller and a computer. The ECS is programmed to create the evacuation route.

(Figure 2 of the Drawings should accompany the abstract when published)