Situation

- Some buildings are not energy efficient which causes the release of greenhouse gases resulting in global warming.

Problem

- Buildings in the United Arab Emirates use excess energy which harms the environment.

Solutions

- Using Solar panels as a source of clean energy. [1]

- Reducing the heat in building compared to the outside temperature after using thermal insulators.
- Extruded polystyrene foam is one of the best materials for thermal insulation.
- Insulation in buildings saved up to 26% in present worth cost and reduced 33% of cooling load. [2]

Evaluation

- Solar panels need regular cleaning and suffer from some energy losses.
- Coats are not easy to implement on built buildings.
- Lighting sensors have high cost and are difficult to install.

References