# Smart HVAC system based on IoT and Cloud Computing

# Stakeholders:

* Users – individual who visit, work, study in the building;
* Facility manager – people who work for building maintenance;
* HVAC vendor – company provide HVAC equipment or solutions;
* Tenants – people/organizations who live/rent premises in the building;
* Estate owner – people/organizations who own the building.
* Government- organization standardize regulations about environment and energy

# Stakeholder’s requirements:

## Users:

A comfortable customized indoor environment (high level).

1. Set temperature, humidity, indoor air quality to certain value;

2. Turn on/off system according to the time;

3. Load configuration data created according to daily weather and outside temperature.

## Facility manager:

1. Energy saving (motion sensor…);

2. Easy and fast troubleshooting (diagnosis report);

3. Easy maintain (self-inspection report, everyday operation log).

## HVAC vendor:

1. Easy deployment;

2. Compatible with their equipment;

## Tenants:

1. Low cost;

2. Stable HVAC service;

3. Less influence on their main business.

## Estate owner:

1. Low energy cost;

2. Long life;

3. Low update cost.

## Government

1. Regulations has to be met