|  |  |  |
| --- | --- | --- |
| SRR | February 16  2016 | |
| Making Facility Management more intelligent and efficient. | | Systems Requirements Review |

|  |  |  |  |
| --- | --- | --- | --- |
| **Revision record** | | | |
| Version | Date | Attendees | Comment |
| 1.0.0 | 16.02.16 | Arshad Shakil,  Badis Madani,  [Håkon Hedlund](https://www.facebook.com/hakon.hedlund)**,**  Zhili Shao |  |

Contents

[1. Identification of opportunity 3](#_Toc443648002)

[2. SMART Goal Definition 3](#_Toc443648003)

[3. WBS 3](#_Toc443648004)

[4. NTCP(Project taxonomy) 3](#_Toc443648005)

[5. Concepts of Operations (CONOPS) 4](#_Toc443648006)

[5.1 Statement of the goals and Objectives of System 4](#_Toc443648007)

[5.2 Boundaries of the system and its external interfaces 4](#_Toc443648008)

[5.3 Stakeholder (and interactions between them) 4](#_Toc443648009)

[5.4 Policies and/or constraints that affect the system or that influence it. 4](#_Toc443648010)

[5.5 Conceptual view of the system. 4](#_Toc443648011)

[5.6 Processes involved in fielding, commissioning, using, maintaining and retiring the system. 4](#_Toc443648012)

[6. Identification of Stakeholders 4](#_Toc443648013)

[7. Stakeholder Requirement 4](#_Toc443648014)

[8. Project Plan 4](#_Toc443648015)

[8.1 Gantt Chart 4](#_Toc443648016)

[8.2 8.2. PERT/CPM 4](#_Toc443648017)

[8.3 8.3. Critical Chain 4](#_Toc443648018)

[9. Project Team 4](#_Toc443648019)

[9.1 Belbin test result 4](#_Toc443648020)

[9.2 Organization Structure 4](#_Toc443648021)

[9.3 Knowledge Map 4](#_Toc443648022)

[10. Risk Management Plan 4](#_Toc443648023)

[11. Logistic Support 4](#_Toc443648024)

[11.1 Manpower and personal 4](#_Toc443648025)

[11.2 Computer Recourse 4](#_Toc443648026)

[11.3 Facility 4](#_Toc443648027)

[12. Validaton and Verficaton Plan 5](#_Toc443648028)

# Identification of opportunity

The traditional HVAC system needs an improvement to optimize users’ experience and make maintainers’ work efficient.

For the HVAC users, a comfortable customized indoor environment is needed. The HVAC control system should be intelligent enough to make the setting process easy. There should be more methods for system configuration except fixed control panel. Also for the configuration strategies, more factors such as time, weather should be added. In order to make the system work atomically, some algorithms can be designed to adjust the indoor environment.

For the HVAC maintainers, they always have responsibility to concern about the electricity cost of HVAC system. When some problem happens to the HVAC system, they often spend much more time on troubleshooting rather than fixing the problem. So a troubleshooting mechanism will help them a lot.

These problems about HVAC control system has existed for a long time. Now new technology gives us more possibility to solve them.

# SMART Goal Definition

The goal of our project is to design a smart control system for HVAC services in buildings, to make HVAC easy to use and maintain for users and maintainers, by 1th May 2016.

# WBS

# NTCP(Project taxonomy)

# Concepts of Operations (CONOPS)

## Statement of the goals and Objectives of System

## Boundaries of the system and its external interfaces

## Stakeholder (and interactions between them)

## Policies and/or constraints that affect the system or that influence it.

## Conceptual view of the system.

## Processes involved in fielding, commissioning, using, maintaining and retiring the system.

# Identification of Stakeholders

# Stakeholder Requirement

# Project Plan

## Gantt Chart

## 8.2. PERT/CPM

## 8.3. Critical Chain

# Project Team

## Belbin test result

## Organization Structure

## Knowledge Map

# Risk Management Plan

# Logistic Support

## Manpower and personal

## Computer Recourse

## Facility

# Validaton and Verficaton Plan

May be we don’t need this for our project