

WIRELESS SENSOR CONTROLLED WATER STORAGE TANK FOR HIGH RISE BUILDING

Prepared by: Lee Lin Muan, Chong Yee Horng, Foong Zi Yi, Lau Wye Kit

ABSTRACT

In this report, firstly we will our project title, Wireless Sensor Controlled Water Storage Tank for High Rise Building and the project brief given by our supervisor, Mr. Benny lee. We will also include how the works are being allocation among the members and the schedule we had made at the beginning of the project. Besides that we will include what are the outcomes of the project that our supervisor looking for. After that, we will separate to 4 parts which are Civil engineering (structure), civil engineering (water storage tank), mechanical engineering and finally electrical & electronic engineering. We will firstly introduce our project in details respectively from 3 different aspects which are civil, mechanical and electrical & electrical engineering. For example what type of building we try to design and how many floors? What type of water storage tank we will use for the building? What type of water pump and what type of power generator we should provide? Lastly is what kind of wireless sensor we should use to control the water pup? We will include what we had done throughout this project such research on existing technology and the results that we obtained after doing some calculations. Follow by the outcome of the project and finally the conclusion of our project with some comments and recommendations on our outcome of the project. Reference that we used throughout this project will be included after the body of the report. Lastly is the appendix which we will include our calculation such as the calculation for the Reinforced Concrete design for the structure and others.