Smart water Management

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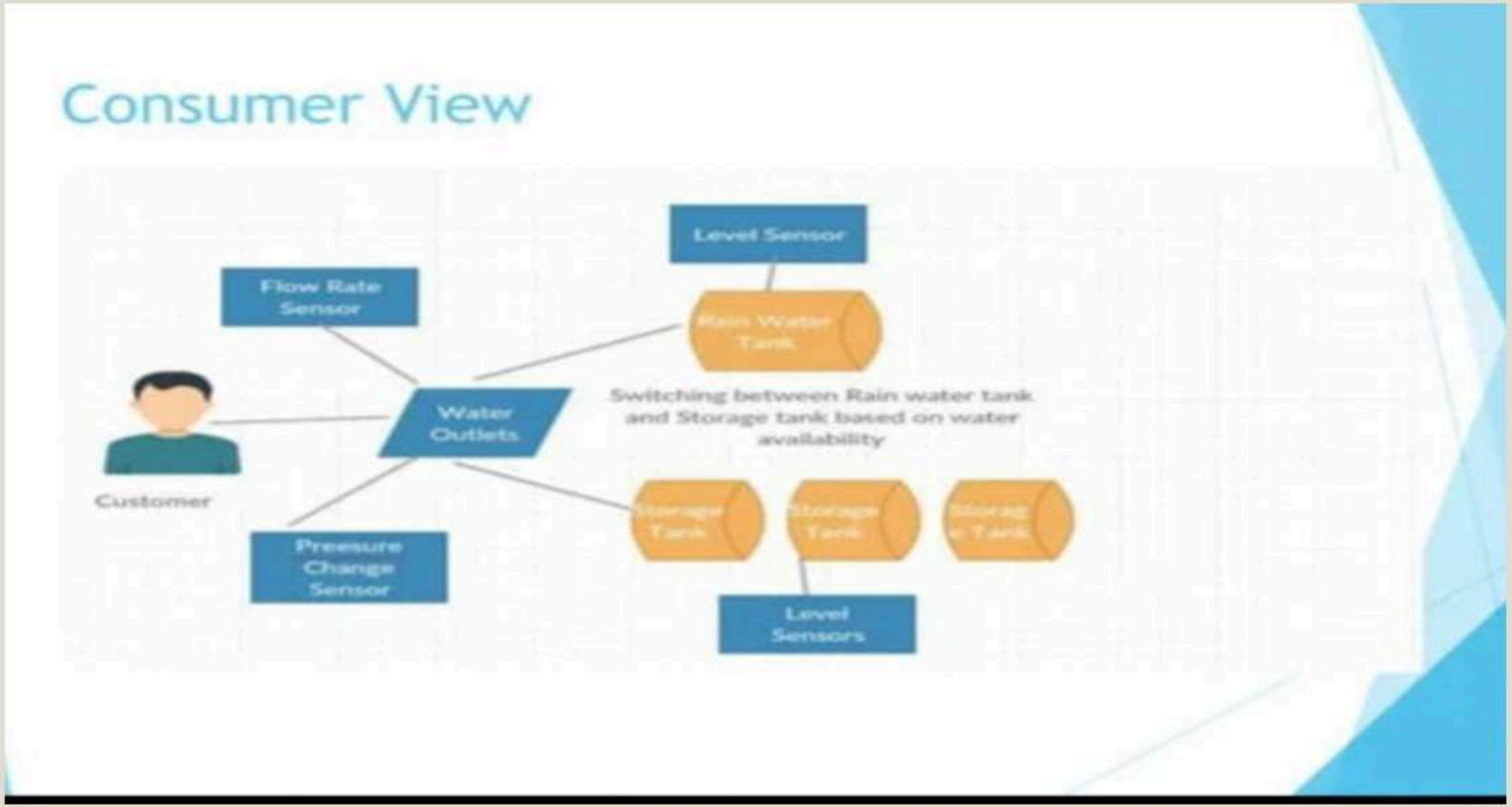
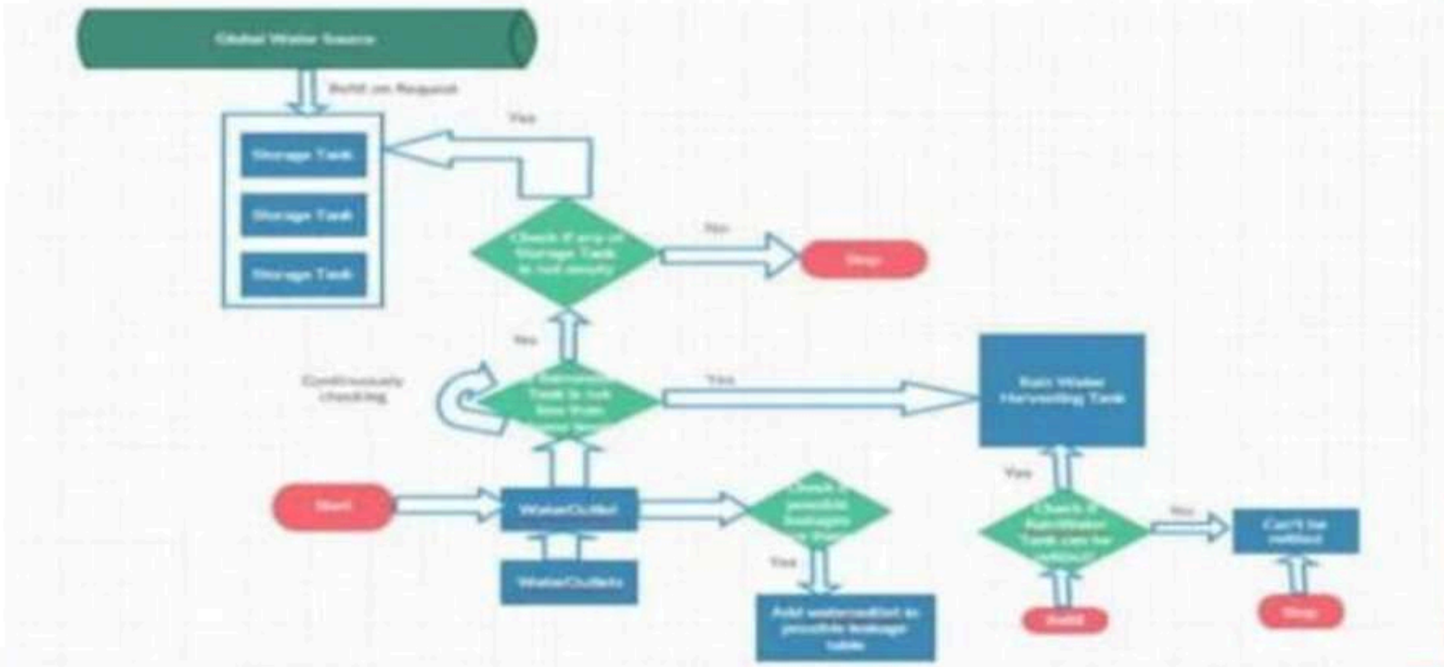
Solution

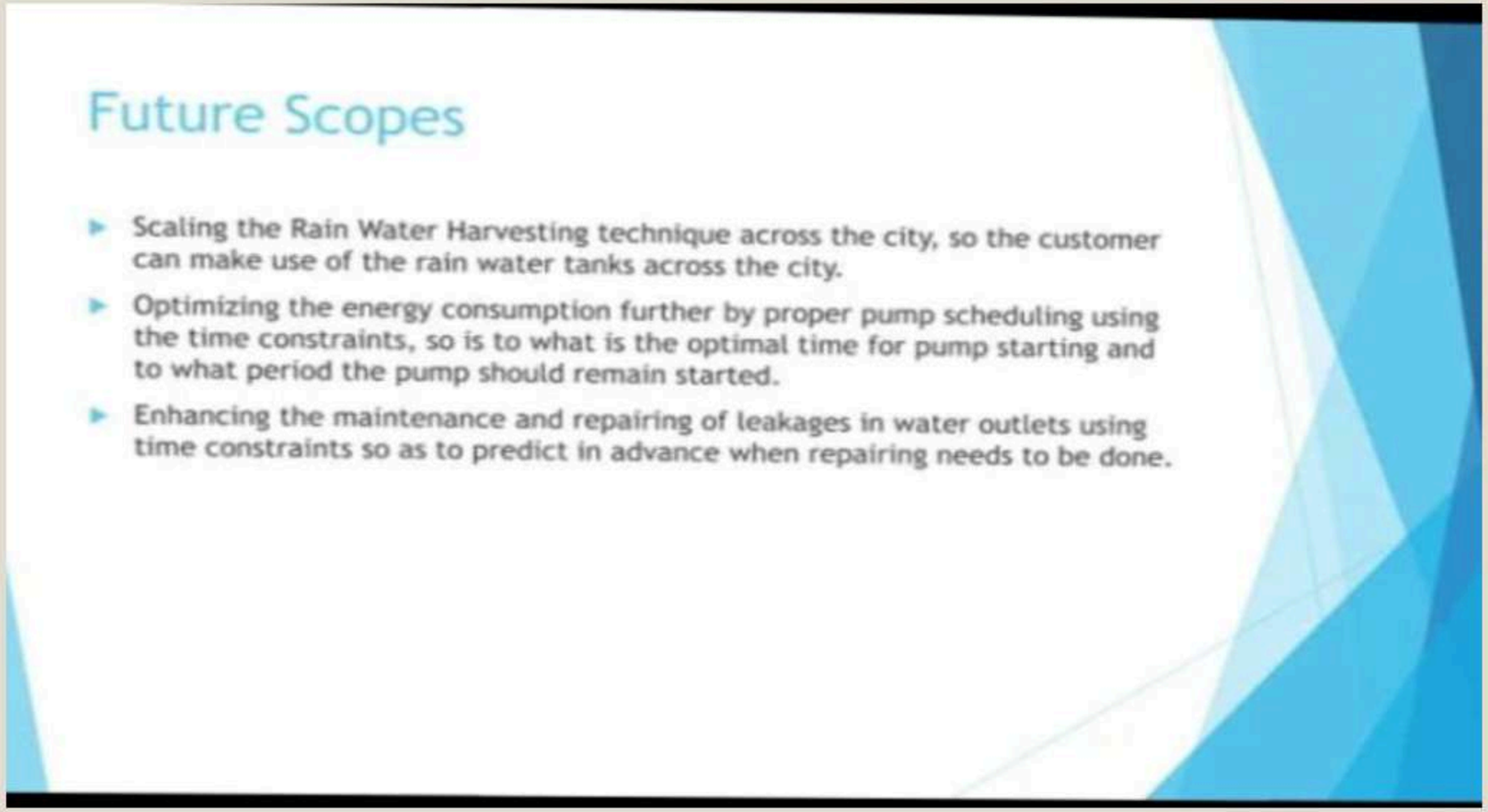
- The purpose of this project is to have a smarter way of water management in order to conserve water resources and energy.
- Water utilization requirement can be met by conserving and storing the Rain Water. Rainwater harvesting is a process or technique of collecting, storing and using rainwater for domestic and various other purposes. Harvesting rainwater allows us to better utilize an energy resource and reduces water bills.
- Proper maintenance of water outlets, their proper scheduling of repairing is must in order to reduce the water losses to leakages and breakages.
- Optimized the energy consumption requirement for pumping water. This can be achieved by ensuring a right combination of pumping configuration.
- Predictive analytics techniques can be used for getting the right amount of water at the right destination for the right duration.

Consumer View



Architecture Schema




Future Scopes
Scaling the Rain Water Harvesting technique across the city, so the customer can make use of the rain water tanks across the city.
Optimizing the energy consumption further by proper pump scheduling using the time constraints, so is to what is the optimal time for pump starting and to what period the pump should remain started.
Enhancing the maintenance and repairing of leakages in water outlets using time constraints so as to predict in advance when repairing needs to be done.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