SCALABILITYAND FUTURE SCOPE

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SCALABILITY AND FUTURE SCOPE

FUTURE SCOPE

➢ The IoT based fire alarm system can be enhanced to sense leakage of LPG gas.

➢ IoT technologies can enhance the operational efficiency of the fire service

➢ The effectiveness of fire protection to improve fire fighter health and

➢ Safety and improve occupant safety

➢ Minimize injuries during a fire and minimize property loss

➢ Business interruptions due to fire.

SCALABILITY

This section proposes relevant factors affecting the scalability and replicability of a smart grid project. These factors already describe requirements for scalability and replicability and they have been identified by means of an in-depth literature review. Both, complex systems such as distributed computing systems, sensor networks or air transportation systems, and several smart grid projects have been analyzed . Although scalability and replicability of each system depends on specific factors, common and sufficiently generic factors have been sought. These identified factors describe technical aspects, economic aspects, and aspects related to regulation and acceptance. For example, distributed computing systems and sensor networks require both a certain degree of modularity to scale up. The literature review also showed that feasibility of scaling up mainly depends on technical factors, whereas feasibility of replication is affected by technical and regulatory factors. Viability of scaling-up and replication mainly depends on economic factors but also on regulatory and acceptance-related factors. Congruently, the factors extracted from the literature review have been classified into four main groups: a technical, an economic, a regulatory, and stakeholder acceptance related group.