

2. Smart Monitoring System

2.1. General

- 2.1.1.** Civil Defence has made a commitment to enhance Life Safety and National Security in UAE by implementing the Smart monitoring System.
- 2.1.2.** Smart monitoring System will detect and report alarms in real time from Fire and Life Safety Systems, Fire water tanks, Elevators and LP Gas detection systems of the buildings, directly to Civil Defence control and monitoring rooms.
- 2.1.3.** The system provides Civil Defence with the following:
 - 2.1.3.1.** Unified monitoring and operating base to deal with fire emergencies effectively and timely.
 - 2.1.3.2.** Monitor Fire and Life Safety systems of City buildings round the clock.
 - 2.1.3.3.** Supervise Fire and Life Safety systems faults and intimate building owners immediately for corrective measures.
 - 2.1.3.4.** Access to a master database of building details, fire and life safety system information, nature of occupancy, nature of hazard, details of adjacent buildings etc. to ensure instant and appropriate dispatch of fire trucks, rescue vehicles and equipment to the reported accident scene.

2.2. Applicability

- 2.2.1.** Every building in UAE, including private villas, warehouses and factories shall be connected to Civil Defence through Smart and Direct Alarm Systems.
- 2.2.2.** **Such a** Direct Alarm Systems shall be a smart system, utilizing state of the art technology and shall be able to annunciate and communicate with building fire and life safety systems, remotely from Civil Defence control rooms.
- 2.2.3.** Smart monitoring Systems shall be specified by the individual Emirates' Civil Defence.
- 2.2.4.** It is building owner and project consultant's responsibility to identify and acquire these requirements through individual Emirates' Civil Defence.
- 2.2.5.** The requirements in this chapter are general guidelines for the smart monitoring System. Systems having smart, audio, visual features utilizing cloud technologies, wireless technologies, exceeding the requirements of this chapter shall be permitted and acceptable.
- 2.2.6.** It is building owner and project consultant's responsibility to provide infrastructure, system features, necessary provisions for interfacing in accordance with the smart monitoring system specifications as required by the individual Emirates' Civil Defence.