

CLAIMS:

1. A facility information management server system comprising:
 - a server system processor;
 - a server system communication interface accessible by the server system processor; and
 - a server system memory storing server system executable program instructions accessible by the server system processor;wherein the server system processor is configured to execute the server system program instructions to:
 - receive facility information from one or more facility information devices through the server system communication interface;
 - store the received facility information in the server system memory;
 - receive a request for operational assessment of a facility from a client device;
 - retrieve facility operational assessment data from a facility information repository database relating to the assessed facility;
 - determine a facility operational assessment result based on the retrieved facility operational assessment data, and
 - transmit the determined facility operational assessment result to the client device.
2. The facility information management server system of claim 1, wherein the server system processor is configured to execute the server system program instructions to:
 - determine whether the retrieved facility operational assessment data is sufficient to perform the requested facility operational assessment,
 - transmit a request to an assessed facility information device to retrieve further facility operational assessment data related to the assessed facility on determining that the retrieved facility operational assessment data is insufficient to perform the requested operational assessment,
 - receive the further facility operational assessment data from the assessed facility information device for facility operational assessment determination.
3. The facility information management server system of claim 2, wherein determining the facility operational assessment result comprises processing the

retrieved facility operational assessment data and the received further facility operational assessment data by a facility operational assessment decision tree implemented in the server system memory.

4. The facility information management server system of claim 2 or claim 3, wherein determining the facility operational assessment result comprises processing the retrieved facility operational assessment data and the received further facility operational assessment data by a facility operational assessment scoring module implemented in the server system memory.

5. The facility information management server system of any one of claims 1 to 4, wherein the facility operational assessment data comprises one or more of: facility fire indicator panel data, facility active fire safety component data, facility passive fire safety component data, facility occupant warning system data, facility lift control system data, facility water supply system data, facility smoke hazard management system data, facility sprinkler control system data, facility electricity systems data, facility heating ventilation and air conditioning (HVAC) system data, and facility compliance standards data.

6. The facility information management server system of any one of claims 1 to 5, wherein the facility operational assessment result comprises a facility operational assessment numeric score and/or a facility operational assessment grade.

7. The facility information management server system of any one of claims 1 to 6, wherein the facility operational assessment request comprises one or more request parameters, the one or more request parameters comprising instructions to perform the facility operational assessment over a requested period of time or to perform facility operational assessment relating to a subset of facility operations.

8. The facility information management server system of any one of claims 1 to 7, wherein each of the one or more facility information devices is housed inside an internal cavity in a post or housing positioned in a location in or proximate to a facility to which the facility information pertains, wherein the post or housing is fixed in position and is accessible to pedestrians at ground level or ground floor level, wherein each of the one or more facility information devices comprises:

a processor;

a communication interface accessible by the processor and configured to allow exchange of information with devices external of the post or housing; and
a memory storing executable program instructions accessible by the processor.

9. The facility information management server system of claim 8, wherein the processor of the facility information device is configured to execute program instructions to:

receive facility information from an external computing device through the communication interface, wherein the facility information relates to the facility;

store the received facility information in the memory;

receive a first request to access the facility information through the communication interface; and

in response to the first request, determine whether the first request is an authorised request and, if the first request is an authorised request, transmit the facility information through the communication interface.

10. The facility information management server system of any one of claims 1 to 9, wherein the server system processor is configured to execute the server system program instructions to:

receive a request from the client device to store a digital document in any one of the one or more facility information devices, the request comprising the digital document; and

process the received digital document to determine completeness and/or validity of a metadata of the digital document;

wherein the digital document comprises facility data related to any one or more of: facility inspection certificates, facility certificate of occupancy, facility floor plans, facility emergency procedures or facility evacuation plans.

11. The facility information management server system of claim 10 wherein the server system processor is configured to execute the server system program instructions to:

on determining that the metadata of the digital document is complete and/or valid, transmit instructions to store the digital document to the one of the one or more facility information devices; and

on receiving confirmation of the storage of the digital document from the one of the one or more facility information devices, transmit to the client device a confirmation of the storage of the digital document.

12. A method for performing operational assessment of a facility, the method comprising:

providing a facility information management server system comprising: a server system processor; a server system communication interface accessible by the server system processor; and a server system memory storing server system executable program instructions accessible by the server system processor;

receiving a request from a client device, the received request indicating a facility operational assessment be conducted in relation to the facility;

in response to the received request, the facility information management server system retrieving facility operational assessment data from a facility information repository database relating to the assessed facility;

determining a facility operational assessment result based on the retrieved facility operational assessment data; and

transmitting the determined facility operational assessment result to the client device.

13. The method of claim 12 further comprising:

determining whether the retrieved facility operational assessment data is sufficient to perform the requested facility operational assessment,

transmitting a request to a facility information device to retrieve further facility operational assessment data related to the assessed facility on determining the retrieved facility operational assessment data is insufficient to perform the requested facility operational assessment,

receiving the further facility operational assessment data from the facility information device from the assessed facility information device for facility operational assessment determination.

14. The method for performing operational assessment of claim 13, wherein determining the facility operational assessment result comprises processing the retrieved facility operational assessment data and the received further facility

operational assessment data by a facility operational assessment decision tree code module implemented in the server system memory.

15. The method for performing operational assessment of claim 13 or claim 14, wherein determining the facility operational assessment result comprises processing the retrieved facility operational assessment data and the received further facility operational assessment data by a facility operational assessment scoring module implemented in the server system memory.

16. The method for performing operational assessment of any one of claims 12 to 15, wherein the facility operational assessment data comprises one or more of: facility fire indicator panel data, facility active fire safety component data, facility passive fire safety component data, facility occupant warning system data, facility lift control system data, facility water supply system data, facility smoke hazard management system data, facility sprinkler control system data, facility electricity systems data, facility heating ventilation and air conditioning (HVAC) system data, and facility compliance standards data.

17. The method for performing operational assessment of any one of claims 12 to 16, wherein the facility operational assessment result comprises a facility operational assessment numeric score and/or a facility operational assessment grade.

18. The method for performing operational assessment of any one of claims 12 to 17, wherein the facility operational assessment request comprises one or more request parameters, the one or more request parameters comprising instructions to perform the facility operational assessment over a requested period of time or to perform facility operational assessment relating to a subset of facility operations.

19. The method for performing operational assessment of any one of claims 12 to 18, further comprising:

receiving by the facility information management server system, a request from the client device to store a digital document in the facility information device, the request comprising the digital document;

processing by the facility information management server system, the received digital document to determine completeness and/or validity of a metadata of the digital document;

wherein the digital document comprises facility data related to any one or more of: facility inspection certificates, facility occupancy certificates, facility floor plans, facility emergency procedures or facility evacuation plans.

20. The method of claim 19, further comprising on determining that the metadata of the digital document is complete and/or valid, the facility information management server system transmitting instructions to store the digital document in the facility information device; and

the facility information management server system receiving confirmation of the storage of the digital document from facility information device,

facility information management server system transmitting to the client device a confirmation of the storage of the digital document.

21. A safety system, comprising:

an electronic interface coupled to or incorporated into an emergency warning system (EWS) or occupant warning system (OWS) of a facility, the EWS or OWS comprising audible warning speakers at spaced locations in the facility;

a remote command interface remote from and in communication with the electronic interface over a network;

wherein the electronic interface and the remote command interface are configured to cooperate to allow the remote command interface to issue emergency alerts from the remote command interface through the EWS or OWS to occupants in the facility.

22. The safety system of claim 19, wherein the remote command interface is configured to communicate with the facility information management server system of any one of claims 1 to 11 to receive facility information; and

determine an indication of occurrence of an emergency in the facility based on the received facility information and one or more predetermined thresholds relating to the facility information.

23. The safety system of claim 22, wherein the received facility information comprises facility air quality information obtained from one or more air quality sensors provided in a facility and in communication with a facility information device provide in the facility; and

wherein the one or more predetermined thresholds relating to the facility information comprise thresholds relating to facility air quality information;

wherein the facility information device is configured to communicate the facility air quality information to the remote command interface.

24. The safety system of claim 21, wherein the electronic interface coupled to or incorporated into an EWS or OWS of the facility is configured to communicate with a facility information device provided in a housing positioned in a location proximate to the facility,

the facility information device comprising:

a processor;

a communication interface accessible by the processor and configured to allow exchange of information with the electronic interface and the remote command interface;

and a memory storing executable program instructions accessible by the processor to configure the processor to receive emergency alerts from the remote command interface and transmit the received emergency alerts to the interface coupled to or incorporated into an EWS or OWS for broadcast OWS to occupants in the facility.

25. The safety system of claim 24, wherein the facility information device is provided in a post or in-ground housing positioned in a location spaced from the facility.