

What is claimed is:

1. A method of remotely obtaining metadata from a building management system at a building site, the building management system operably coupled with an intelligent gateway disposed at the building site that is itself operably coupled with a network, the method comprising:

receiving, at the intelligent gateway, a request for the intelligent gateway to obtain metadata from the building management system;

the intelligent gateway applies the metadata request to individual components of the building management system;

the intelligent gateway receiving the requested metadata from the individual components of the building management system;

the intelligent gateway translating the received metadata into a predetermined format; and

the intelligent gateway communicating the translated metadata to the remote server.

2. The method of claim 1, wherein the request for the intelligent gateway to obtain metadata from the building management system is generated by the remote server.

3. The method of claim 1, wherein the remote server is configured to use the translated metadata to generate a cloud-based model of the building management system.

4. The method of claim 3, wherein the remote server is configured to periodically update the cloud-based model of the building management system.

5. The method of claim 1, wherein the intelligent gateway is configured to, upon receiving the request for metadata, interrogate individual components of the building management system to obtain the requested metadata.

6. The method of claim 5, wherein the intelligent gateway is configured to store the received metadata in a database prior to translating the metadata and communicating the translated metadata to the remote server.

7. The method of claim 5, wherein the intelligent gateway is configured to communicate directly with at least some of the individual components of the building management system.

8. The method of claim 5, wherein the intelligent gateway is configured to communicate with at least some of the individual components of the building management system by way of a legacy gateway device that is operably coupled between the intelligent gateway and the at least some of the individual components of the building management system.

9. The method of claim 4, wherein the remote server provides a model synchronization module that enables the remote server to periodically update the cloud-based model of the building management system.

10. The method of claim 1, wherein the remote server provides a remote configuration module that enables the remote server to configure at least some of the individual components of the building management system and to download configuration data to at least some of the individual components of the building management system via the intelligent gateway.

11. The method of claim 1, further comprising initial steps of:
installing the intelligent gateway at the building site;
operably connecting the intelligent gateway to the building management system; and
operably connecting the intelligent gateway to the Internet.

12. The method of claim 1, wherein the intelligent gateway translating the received metadata comprises adding tags to the received metadata and/or adding relationships to the received metadata.

13. The method of claim 1, further comprising:
the intelligent gateway receiving configuration information for the building management system from the remote server, wherein the configuration information is based at least in part on the translated metadata communicated to the remote server.
14. The method of claim 13, wherein the configuration information received by the intelligent gateway includes operational instructions for the intelligent gateway.
15. A non-transitory, computer-readable storage medium having stored thereon executable instructions that, when executed by one or more processors of an intelligent gateway, cause the one or more processors of the intelligent gateway to:
accept a request from a remote server for the intelligent gateway to obtain metadata from a building management system;
send one or more metadata requests to individual components of the building management system;
receive the requested metadata from the individual components of the building management system;
translate the received metadata into a predetermined format; and
communicate the translated metadata to the remote server.