

WIRELESS COVERAGE INFRASTRUCTURE DESIGN

ABSTRACT

A system and method for wireless communication network deployment in a building. The system includes a computer having a processor and memory, a building explorer module, a network design module, and a project management module. The building explorer module is configured to receive and process, by the computer, building data, network data and financial data. The network design module is configured to generate, a network design based upon the virtual building. The project management module, configured to schedule, by the computer, the projects, and automatically generate tasks and plan resources based upon the network design. A virtual building is generated by the invention through data inputs into the system and stored in the data store. The virtual (digitized) building is created by the building explorer module and the digitized telecom network inside the building is created by the network design module. The controller provides an interface between the modules and the data store. The data used between the modules is accessible in a standardized manner.

Figure 1