A SOLUTION TO RF BARRIERS

A Hub has a limited Radio Frequency coverage that reduces in the presence of architectural barriers, such as concrete walls and metal structures. In this case, multiple hubs need to be wired together.

With a MESH architecture, the control signal is broadcasted and hops from device to device, "going around" architectural barriers. It is also called a "Self-Healing Network." If one device fails, the signal automatically re-routes bypassing the failed element.