

Operational Description

Main elements - The Voasis™ solution is based on the following main elements installed on *each floor*:

- **VCU (Voasis™ Control Unit)**— This unit is installed in the communication closet (IDF). It provides the interface between the cellular service provider equipment (picocell/BDA) and a number of VAPs. In addition, the VCU supplies power to the VAPs and implements management to the Voasis™ system.
- **VAP (Voasis™ Access Pod)**— These are pluggable antennas distributed at strategic locations on the floor to provide maximum coverage. Up to 12 VAPs can be connected to a single VCU using LAN cables (CAT-5E or higher).

The following figure illustrates the VOASIS™ solution.

