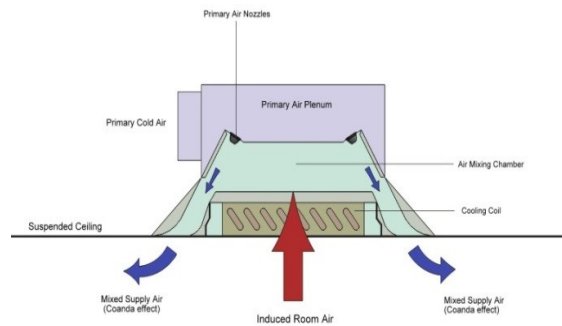


Development of Active Air Terminals for ACMV Systems

Active Air Terminals (AAT) are popular in Europe, North America, and Australia etc. and have been widely used in many modern buildings. The interest for such technology is being fueled by their benefits including; energy saving, cost reduction, indoor environment quality improvement, reduced space requirements and so on. However, some technical challenges hindered the acceptance of the technology in tropical regions. In this project, a series of relevant technologies have been developed by the program team which will deliver the systematic solutions with design tools consisting of reliable design data, calibrated simulation models, design guidelines and software and methodologies for mechanical, control and management system implementations.



Working scheme of Active Air Terminals



Vision effect of Air Displacement Diffusor



Photo of Active Air Terminals