

# Breathable Windows

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Responsive and Adaptive Semi-Permeable Windows for Shading and Pleasant Breezes

*Breathable Windows* allow for the room to respond to the climate control needs of both the building and the people working inside.

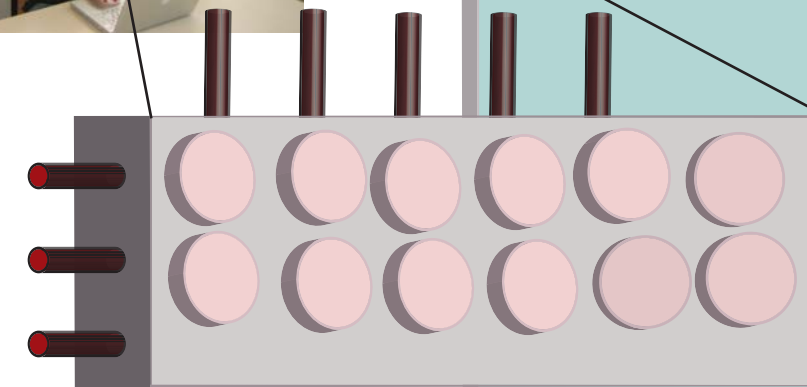
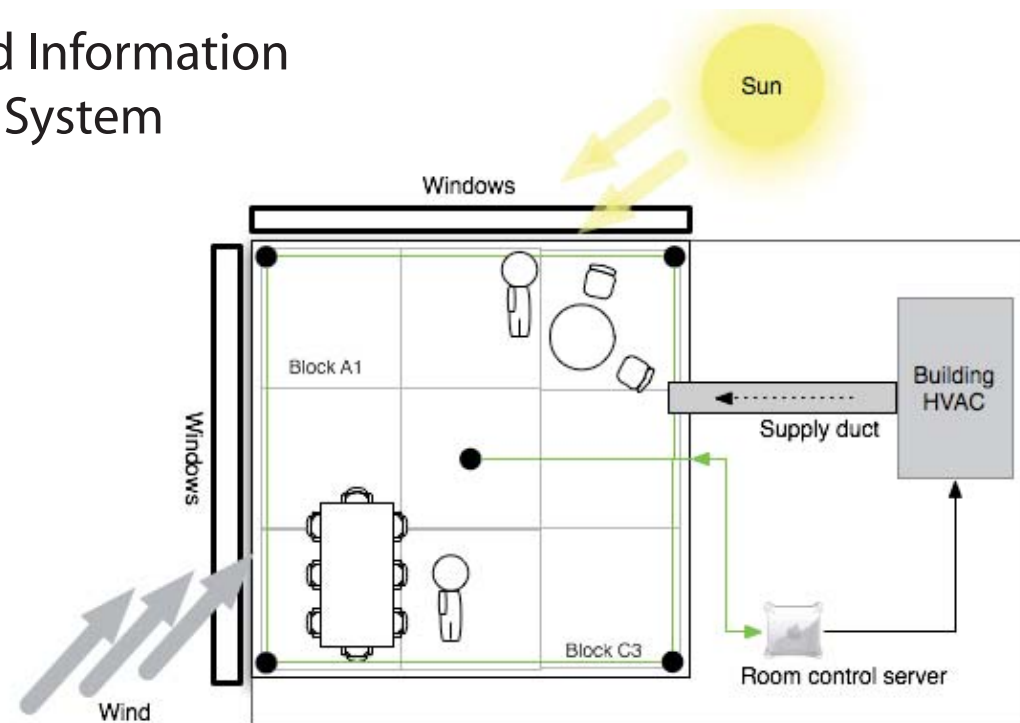
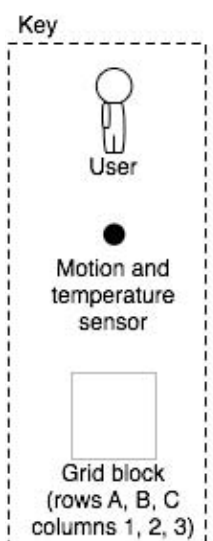


*In Mediterranean villas* in the summer, one opens the shades only at night - this lets the cold night air in at night but keeps the hot air out during the day.



*With Breathable Windows*, a similar technique can be used to cool buildings: Shading them during the day, and allowing the cold air in at night.

## Building and Information Technology System



1. Outside layer changes opacity of the window

2. Series of hair-thin wires act to relay information to and from the window

3. Rows of tiny portholes direct air into the room