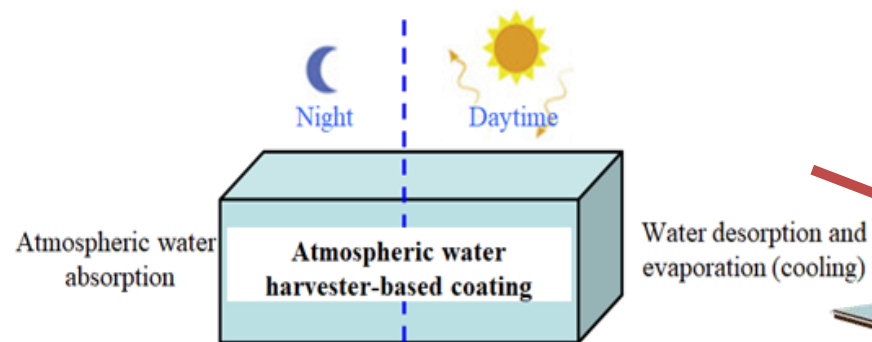


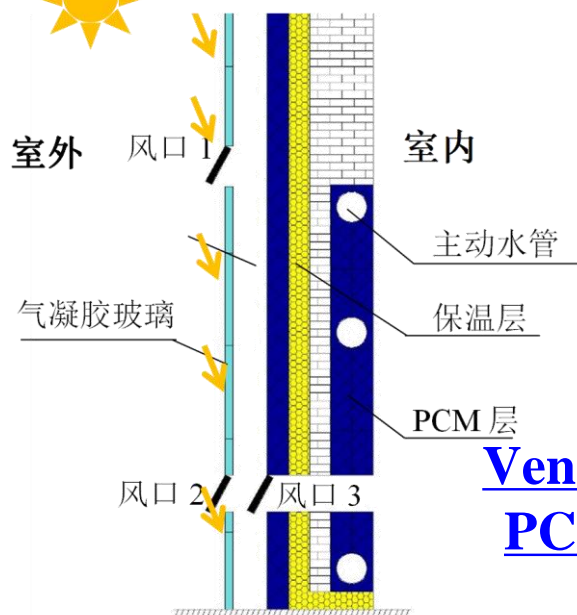
Cross-scale 'climate-material-component-system' platform for low-carbon buildings

MOF-PV-HVAC



Metal-organic framework- PV-air conditioning

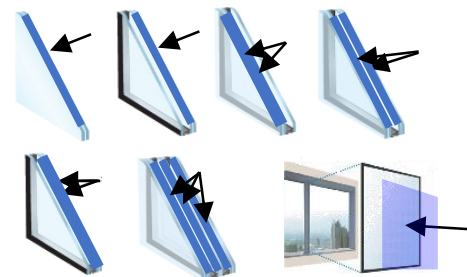
PCM-VTW



Ventilated Trombe wall with PCM and radiative cooling

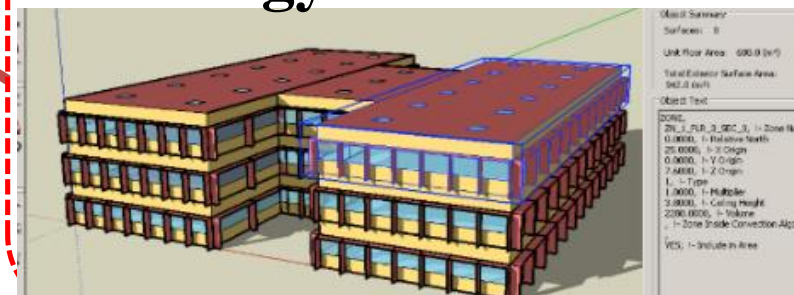
Passive Green Building Platform

Super-insulating Aerogel Glazing



Nano-porous Aerogel Glazing

Cross-scale Building Energy Simulation



Cross-scale simulation platform and optimization of passive green building