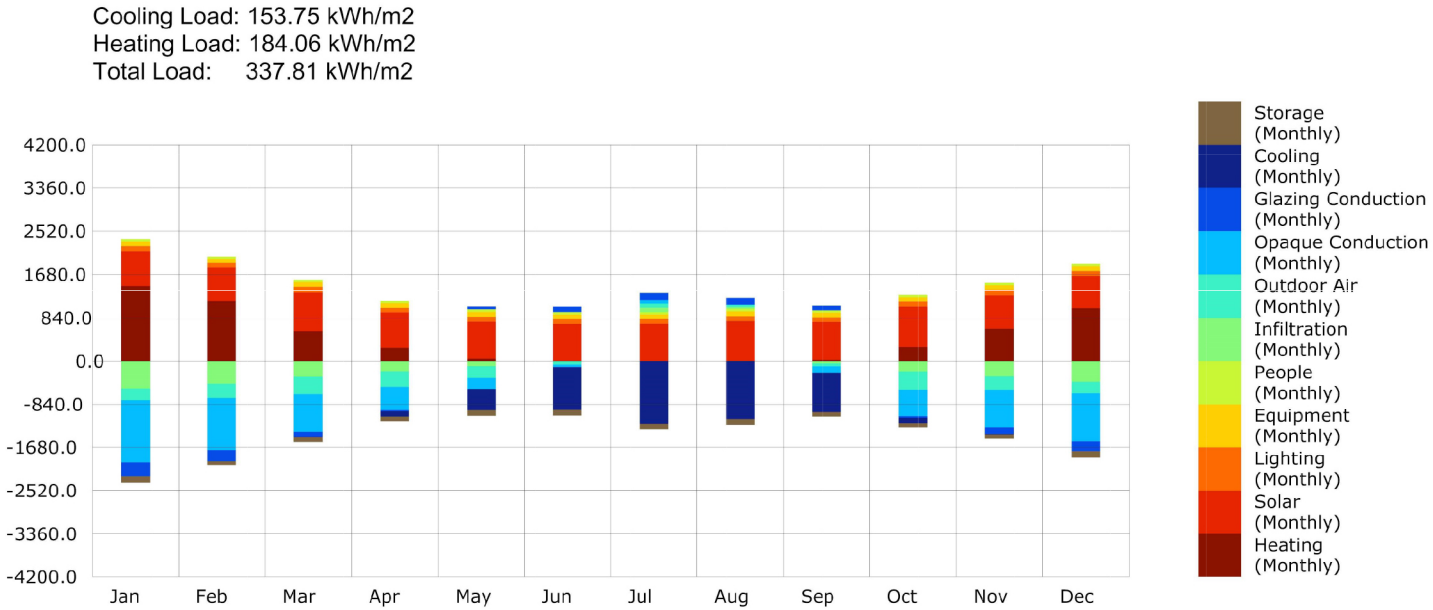
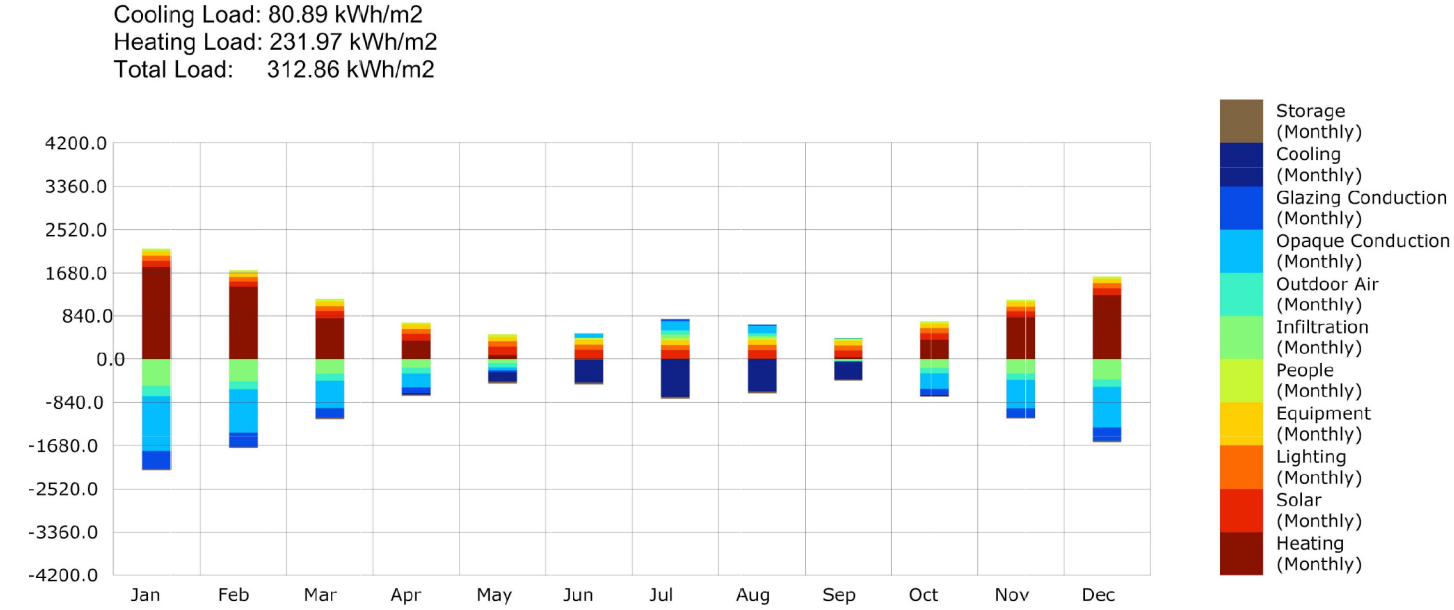


No changes



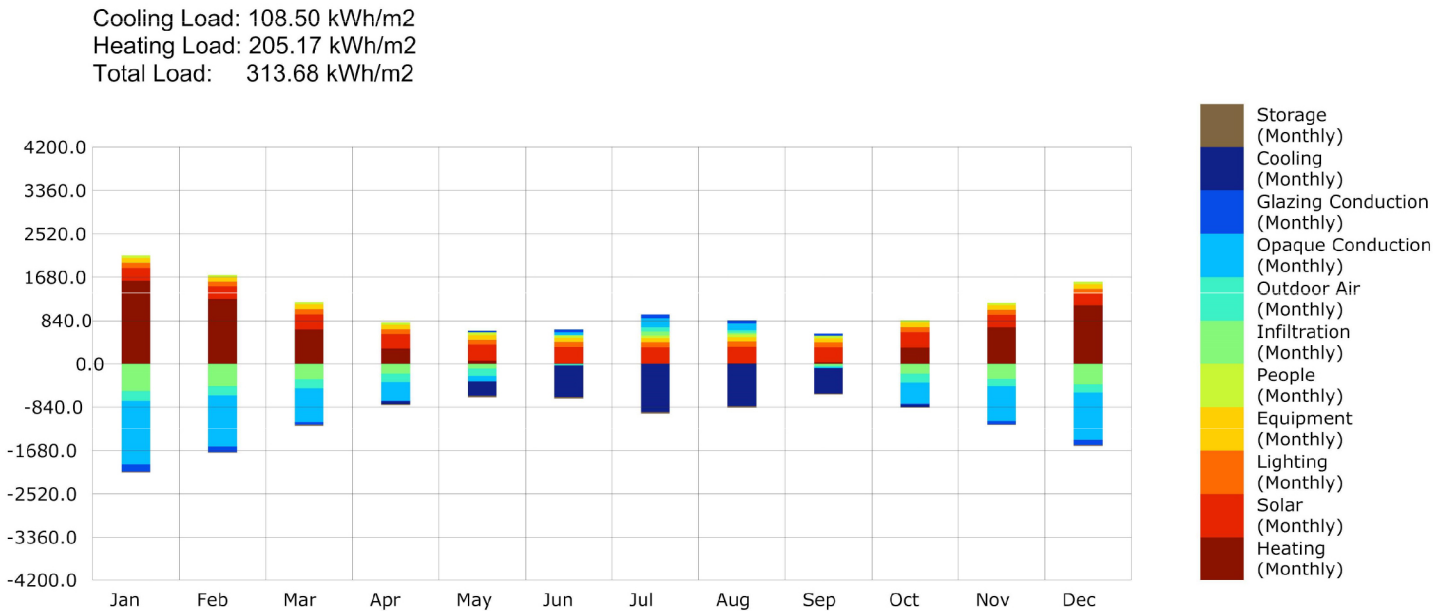
Blinds

adding blinds on window openings



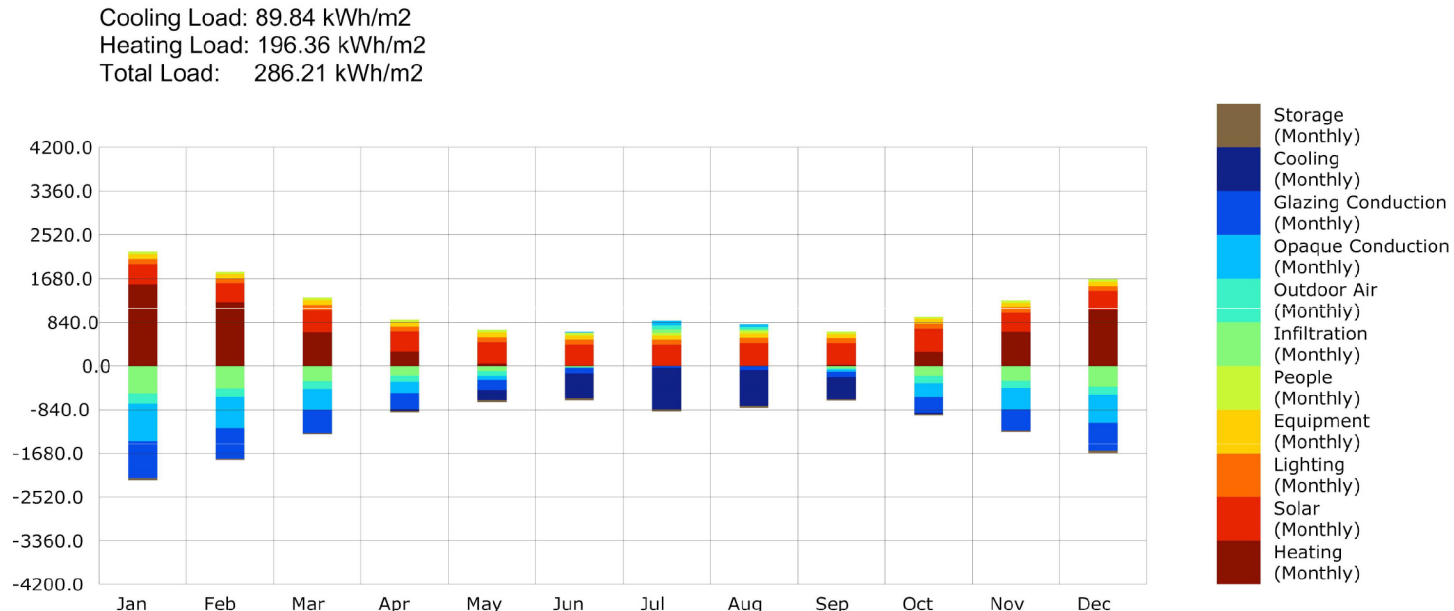
Wall to Window Ratio

decrease the window ratio on the facades that facing the sun: East, South, West, from 0.3 to 0.1

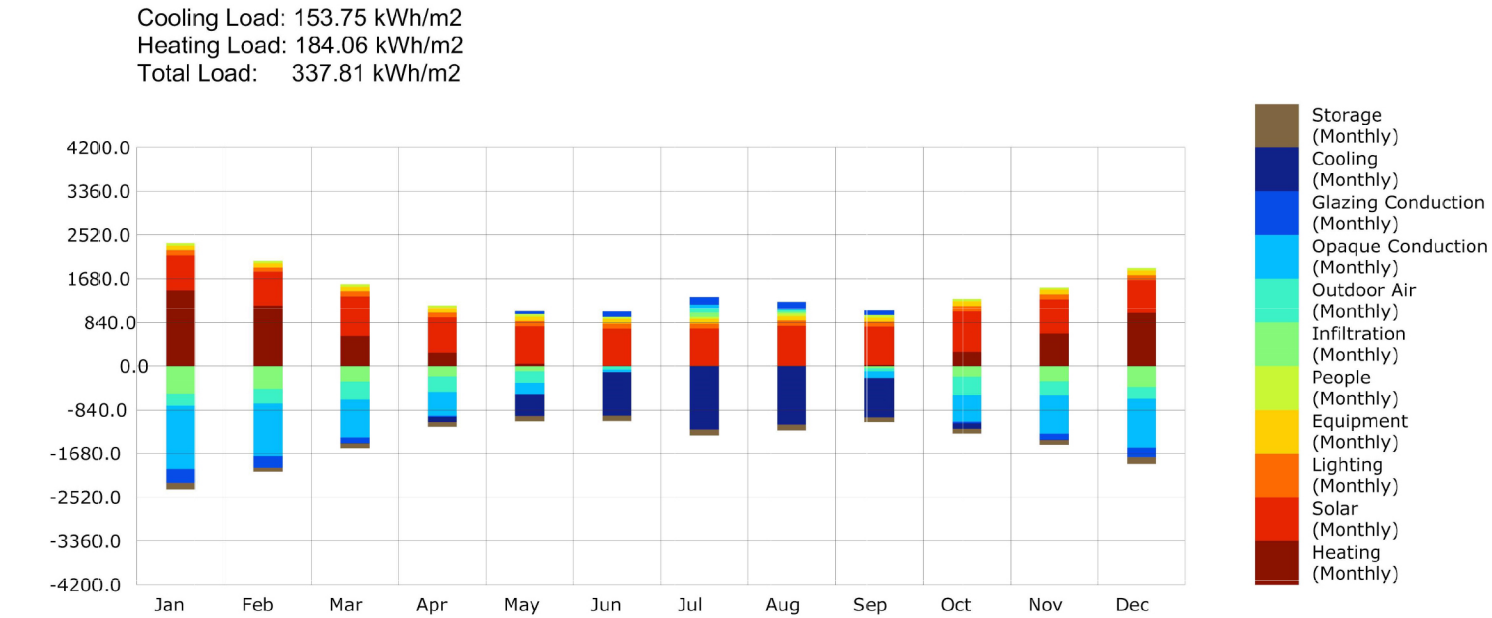


Construction

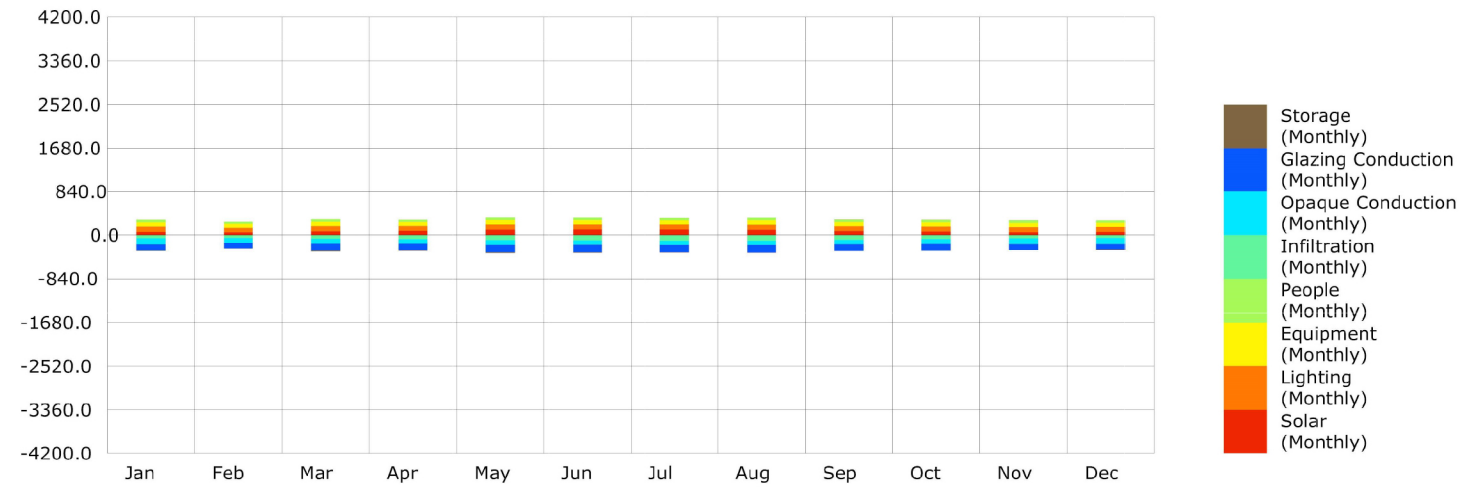
changing materials of exterior wall, window, roof, use materials and assemblies with higher R-values



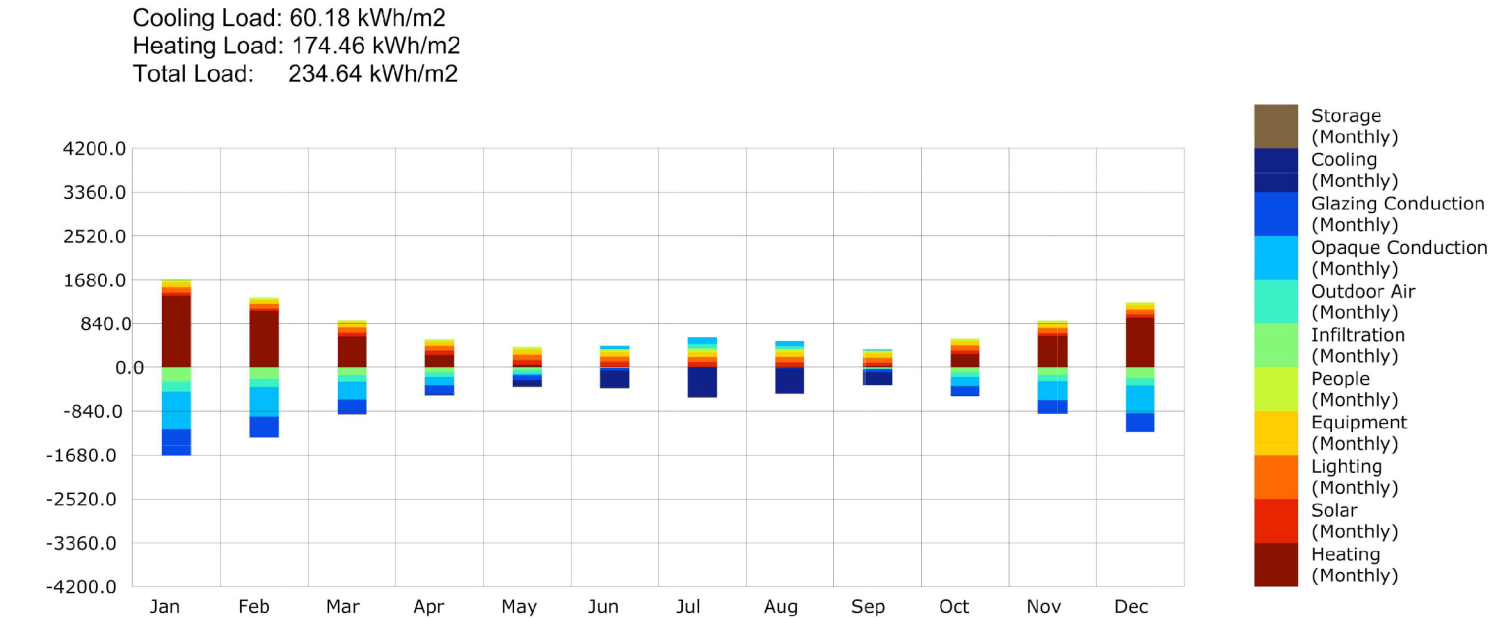
Thermal Mass
adding 8” concrete thermal mass



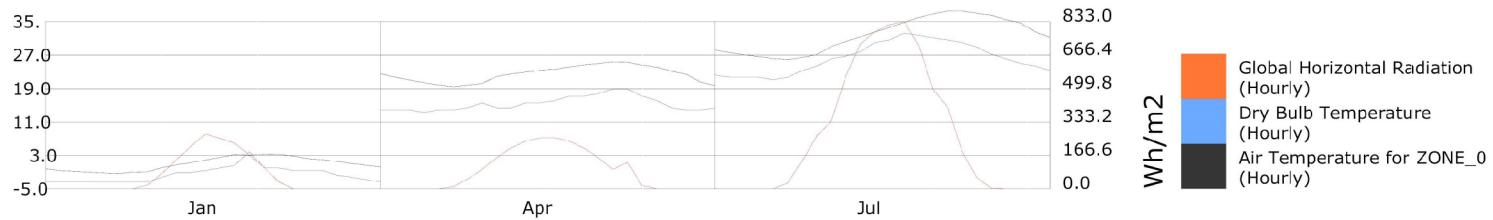
Combination without system



Combination
combine the 4 parameters



Temperature without system



1. From the results of the 4 parameters, the most effective is construction, to use materials and assemblies with higher R-Values.
2. Without any system running in the room, the temperature range in winter is 0-4 °C , in summer is 25-40 °C .