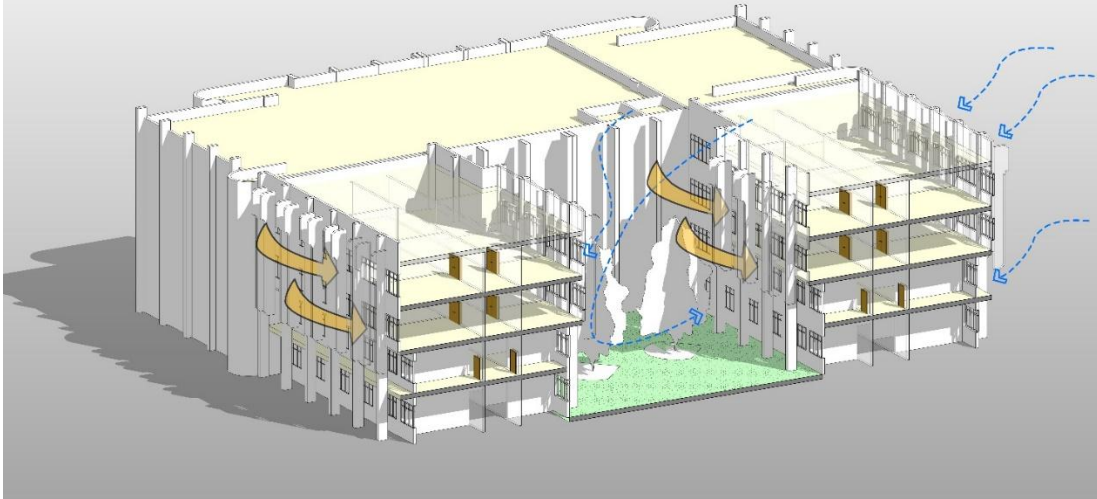


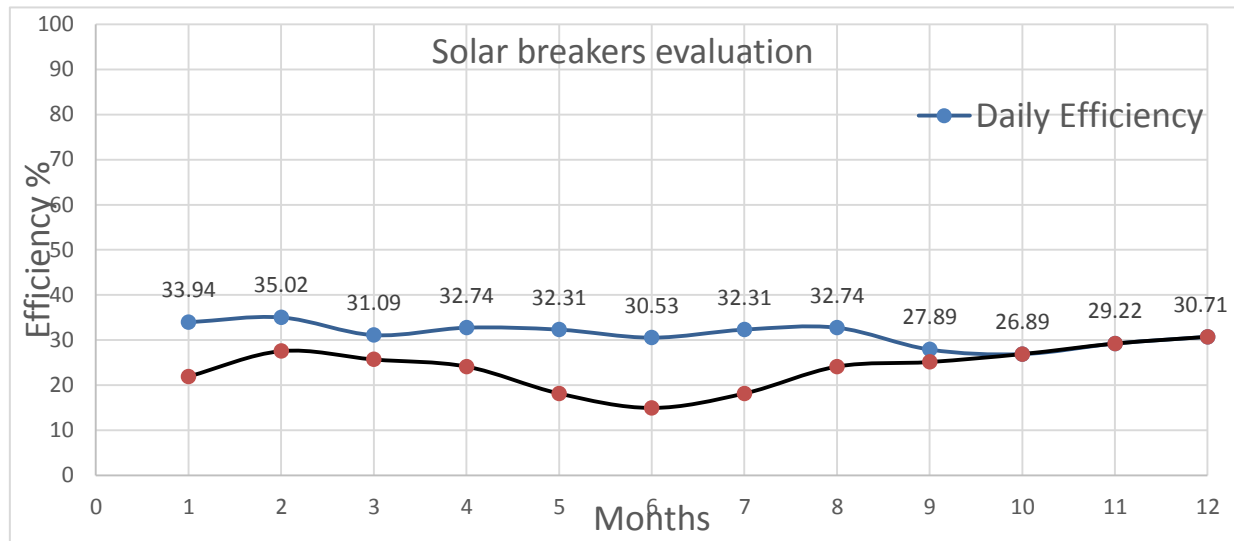


University : Fayoum University  
Country : Egypt  
Web Address : [www.fayoum.edu.eg](http://www.fayoum.edu.eg)

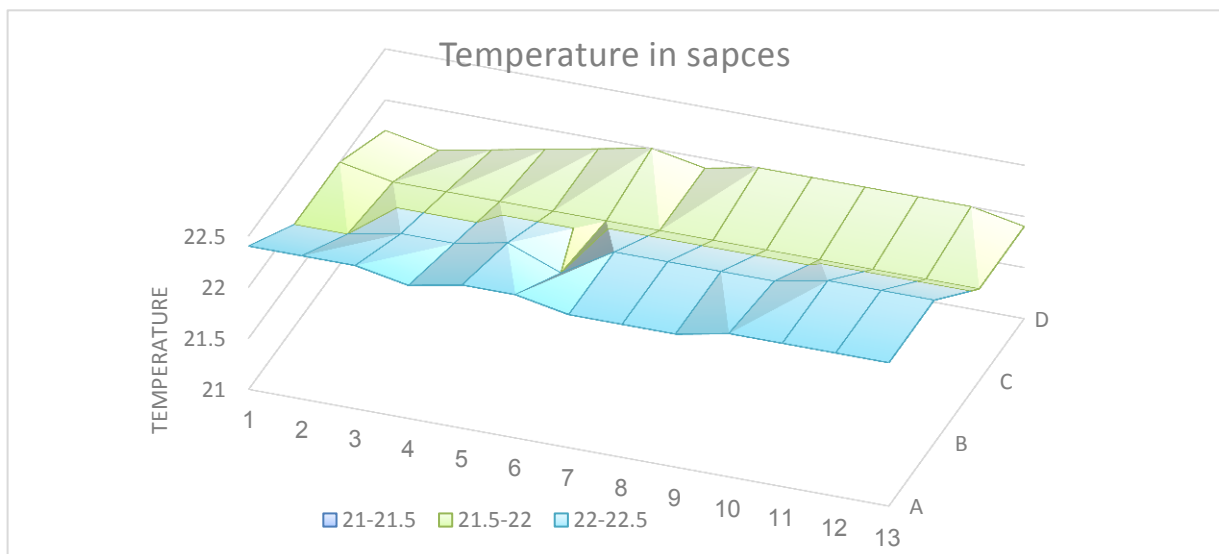
### Elements of Green Building Implementation as Reflected in All Construction and Renovation Policies



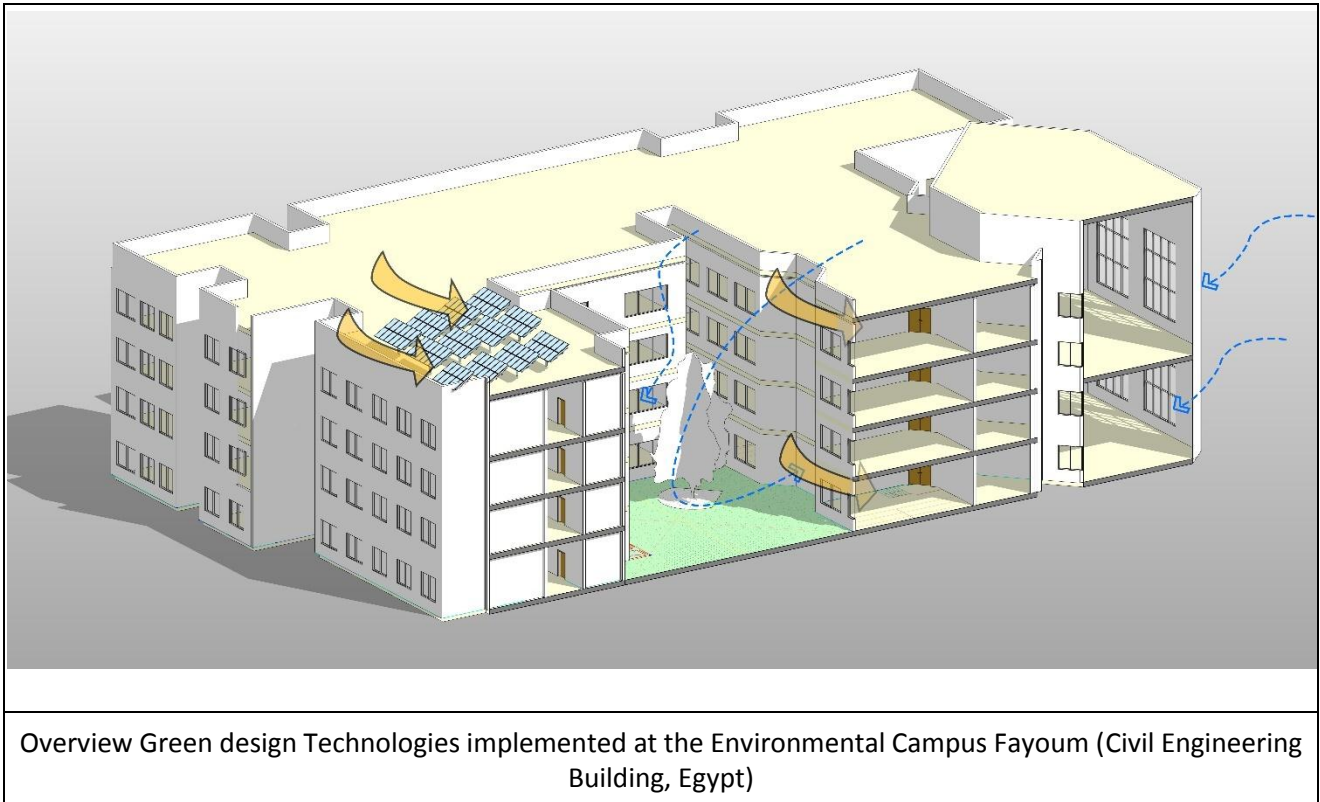
Overview Green design Technologies implemented at the Environmental Fayoum Campus (Architectural Engineering Building, Egypt)



Solar breakers evaluation at the Environmental Campus Fayoum (Architectural Engineering Building, Egypt)



Temperatures recorded inside educational spaces at the Environmental Campus Fayoum (Architectural Engineering Building, Egypt)



#### Description:

- Fayoum University gained ISO 50001 certification – also attached is DCU's construction and renovation policy.

All buildings of the Environmental Campus Fayoum fulfil the requirements of the European and German Energy Standards for Buildings, whereby some reach much higher standards. ECB implemented the elements of 'green building' such as an adsorption cooling plant for cooling purposes, a geothermal heat exchanger to pre-warm the outside air, a solar heat transmitter with heat storage capacity to provide heat, a solar thermal collector as heat source for a compression heat pump, a district heating system supplied by a wood-fired power station, two compression heat pumps, a rainwater cistern with a pressure regulator, two ventilation pumps fitted with high-performance waste-heat extractors.