

Yeraltı soğutma

Dr. Cahit Karakuş

Earth cooling tubes (cool tubes) are used to cool a space by bringing outdoor air into an interior space through underground pipes or tubes. The air is cooled (and possibly dehumidified) as it travels. The cooling effect is dependent upon the existence of a reasonable temperature difference between the outdoor air and the soil at the depth of the tube. A cool tube can be used to temper incoming air when the soil temperature is below outdoor air temperature, or to provide actual space cooling effect if soil temperature is below the intended room temperature. A cool tube can also be used to temper outdoor air in the winter, but it will not provide any space heating effect.







Kaynaklar:

- 1- https://en.wikipedia.org/wiki/Ground-coupled_heat_exchanger
- 2- <http://www.1001-home-efficiency-tips.com/geothermal.html>
- 3- <http://energy.gov/energysaver/geothermal-heat-pumps>