

Heat Transfer Technology

Npowertek company.

By: Gary Chang

August 14, 2005

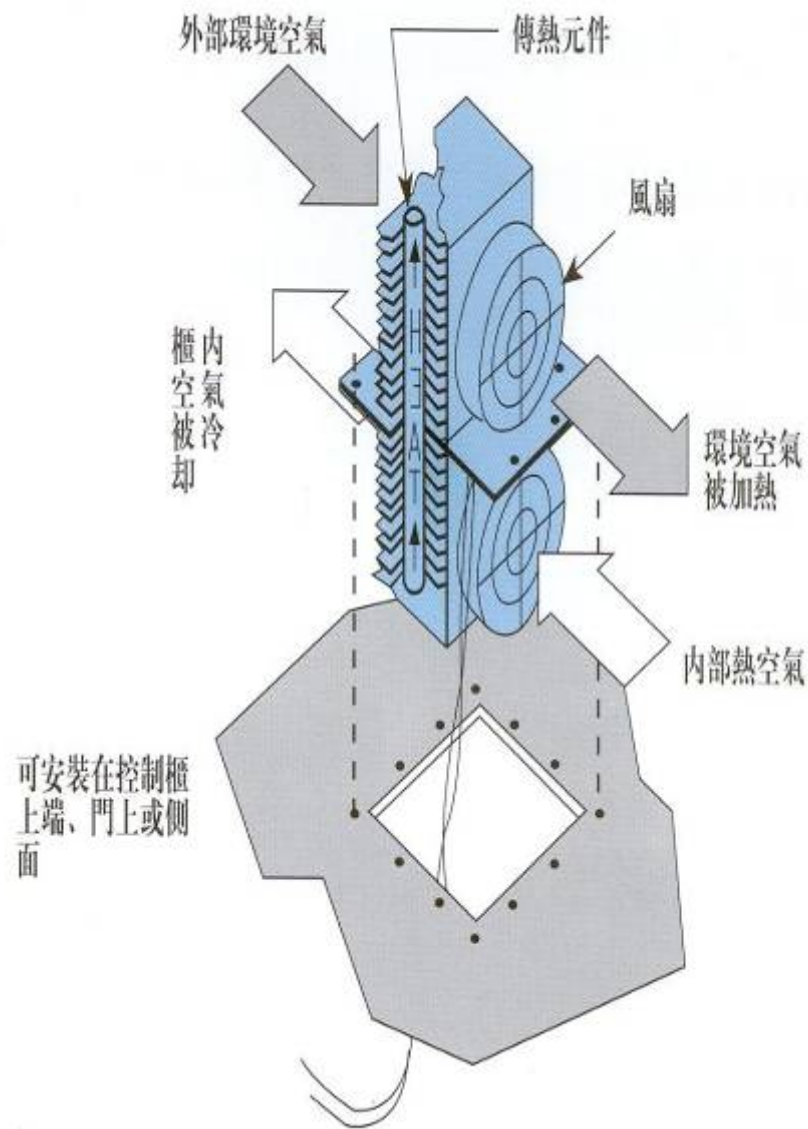
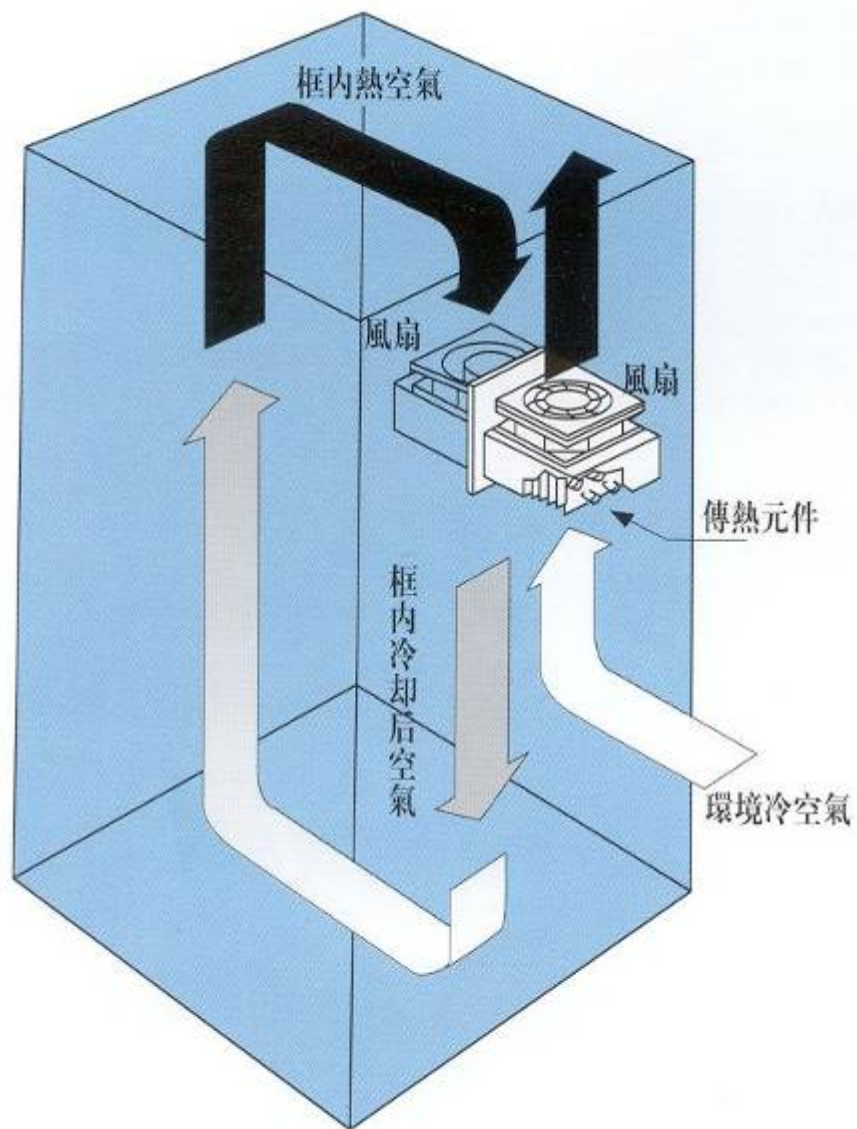
Application of heat pipe

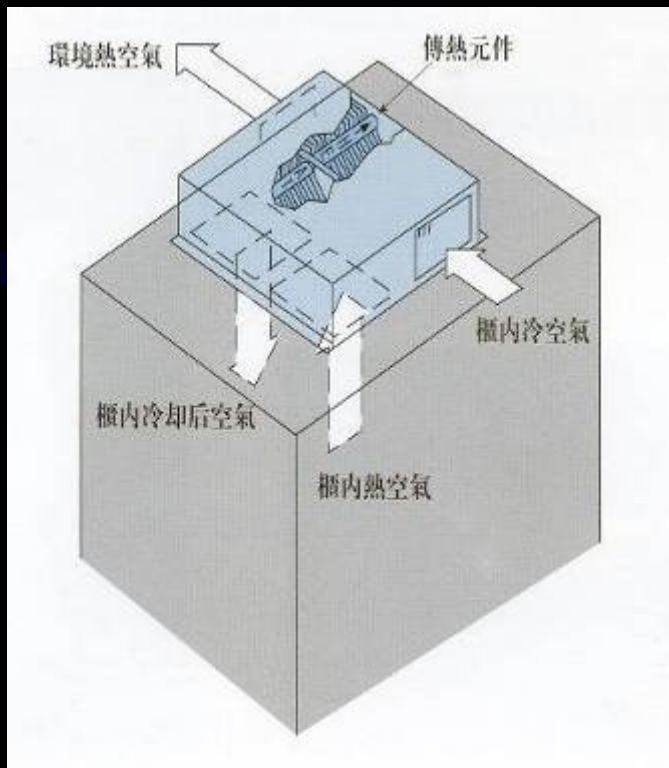
- 
- Computer & Electronic Industry
 - Power & Energy Industry
 - Consumer Industry
 - Other Industry

Computer & Electronic Industry



- PC, NB, PDA, GPS and 3C components – chip cooling and thermal control
- Semiconductor – IGBT, LSI, VLSI cooling
- Cooling of audio and video system – amplifier, speaker, projector etc
- Electrical motor and generator cooling







Power & Energy Industry



- Heat exchanger
- Air pre-heater , boiler
- HRSG –heat recovery steam generator
- Solar energy
- Geothermal energy
- Power cable cooling
- Pipeline heating

Heat pipe solar heater





Consumer Industry



- Home appliance - washer, dryer, oven, refrigerator, air conditioner, de-humidifier, winter heating for housing etc
- Water heater, water boiler
- Car engine & transmission cooling
- Cooling and heating of car seat & hand wheel

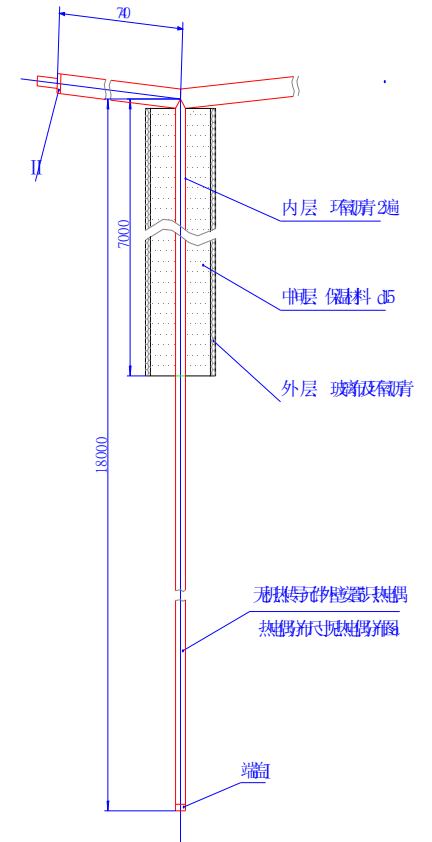
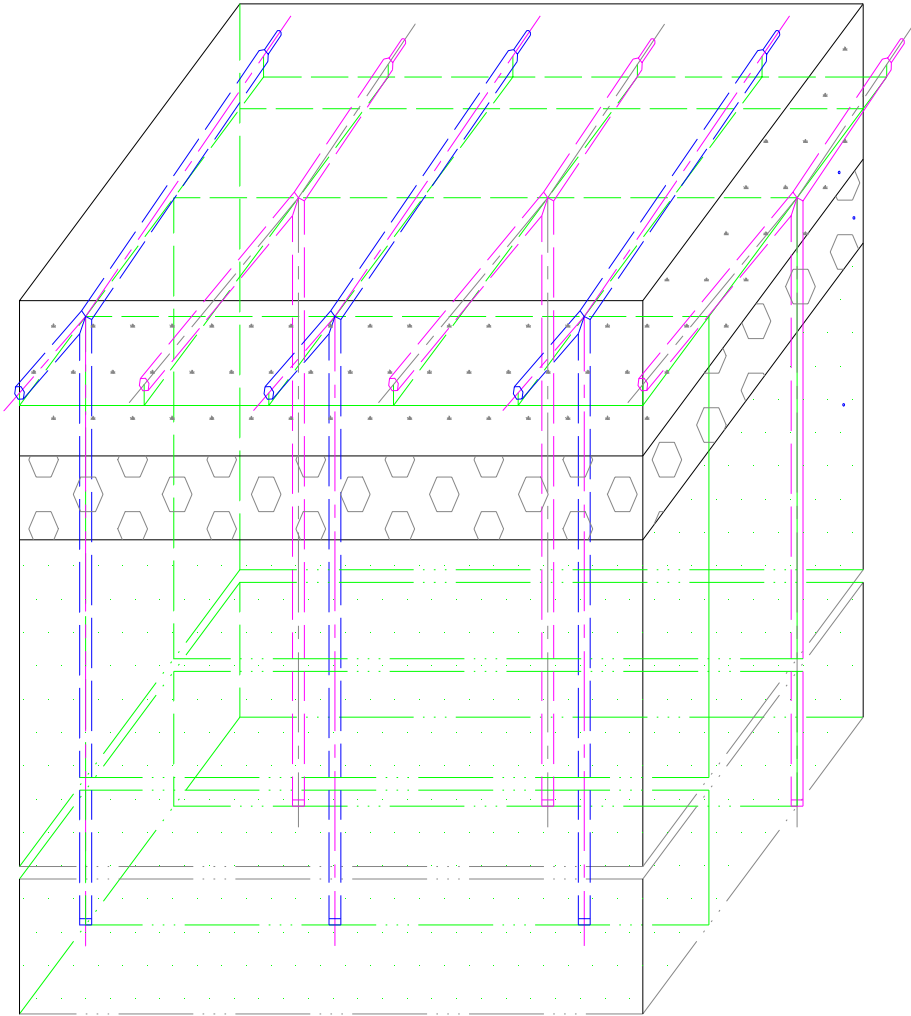


Others Applications



- Airport runway heating
- Railway & roadway heating
- Cooling and heating of machine tool and mold
- Swimming pool heater
- Water desalinization

Geothermal design



Geothermal test area



Geothermal runway project 1



Geothermal runway project 1



Geothermal runway project 1



Geothermal heat pipe



Geothermal project 2



Geothermal project 2

