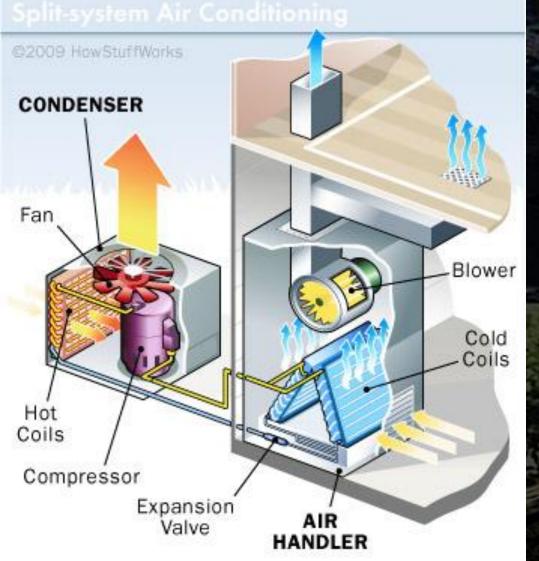


THE Y CONTAINER HOUSE HARNESS ITS ENERGY FROM THE SUN LIGHT ENERGY TURNS INTO ELECTRICITY. THIS TYPE OF MATERIAL CAN ABSORB PHOTONS FROM THE SUN AND RELEASE ELECTRON. WHEN THESE ELECTRONS ARE ABSORBED THEY PRODUCE AN ELECTRIC CURRENT THAT TRAVELS TO THE OUTLETS OF THE Y CONTAINER HOUSE. PHOTOVOLAIC CELLS ARE KNOWN AS SOLAR CELLS THAT ARE MADE OF SEMICONDUCTOR MATERIALS SUCH AS SILICON. SOLAR CELLS ARE A FORM OF ELECTRIC FIELD THAT FORMS POSITIVE ON ONE SIDE AND NEGATIVE ON THE OTHER. WHEN ELECTRONS ARE ABSORBED IT FORMS ELECTRICITY.

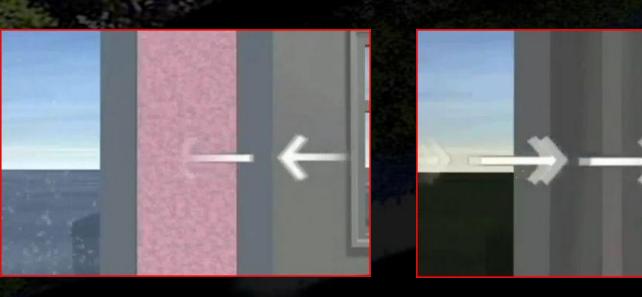


THE Y CONTAINER HOUSE REGULATES ITS TEMPERATURE IN DIFFERENT WAYS. ONE WAY WOULD BE USING HIGH VALUE INSULATION OF VACUUM PANELS AND USING SPLIT SYSTEM AIR CONDITIONING. BOTH FACTORS HAVE CONTRIBUTED TO THE Y CONTAINERS HOUSE COMFORT ZONE AS WELL AS MAINTAINING THE HIGHEST RATING IN GREEN DESIGN IN THE US DEPARTMENT OF SOLAR DECATHOLON IN 2011. ONE CONTRUBUTION THAT THE Y CONTAINER HOUSE MADE WAS USING AN INSULATION WITH VACUUM INSULATED PANELS THAT WAS R-35. TWO PANELS ADD UP TO R-70 WAS CAPABLE OF STORING HEAT AND CAN ADAPT TO VARIOUS WEATHER CLIMATES WHILE MAINTAIN COMFORT.

SPIII SYSTEM AIR GONDITI



THE SPLIT SYSTEM AIR CONDITIONER TOOK ITS MAJOR TOLL ON COMFORT SINCE IT ISOLATED BOTH THE WARM MOIST AIR AND THE COLD DRY AIR. IT IS SPLIT WITH THE INDOOR COMPONENT WHICH IS THE EVAPORATOR AND THE EXTERNAL COMPONENT THE COMPRESSOR. THE EVAPORATOR EXTRACTS THE WARM AIR WHILE THE COOLING SYSTEM IN THE COMPRESSOR REMOVE THE HEAT FROM THE GAS AND MOVE IT INDOORS.



THE INSULATION THAT HAS A VALUE OF R-70 REGULATED TEMPERATURE ALL YEAR. WITH A VALUE OF R-70 THE AMOUNT OF HEAT NEEDED IN THE WINTER LAST LONG AND IN THE SUMMER THE COOL AIR STAYS INSIDE WITHOUT ANY OUTSIDE AIR COMING THROUGH.