

BUILDING AIR CONDITIONING

Innovations and Benefits - The proposed technologies and solutions allow to provide buildings with air-conditioning all year round thanks to solar energy and a limited contribution from other energy sources.

Uses - Winter and summer air-conditioning of large and small-sized buildings. Integration with PCM is under evaluation to store heat or cool air so that it might be available when there is no sunlight and the need for other energy sources is reduced.

Past and Present Activities - Experimental applications have been and are to be made at the ENEA Casaccia Research Centre to study and develop this technology and complementary ones.



Solar camp with evacuated pipes utilized for heating - cooling

