ENERGYSKIN

04 October 2010

ENERGY SKIN

Innovative building surface.

Applicant: **Savio**

Project duration: **24 Months**

Project partners:

- **Fresia Alluminio**
- **Gstramandinoli**
- **Politecnico di Torino - DENER and DINSE**
- **Capetti Elettronica S.r.l.**
- **Amet**

Energyskin is a climatizing system for curtain-wall buildings (aluminium or glass-aluminium), which allows designing low-energy buildings without impairing the thickness of the walls or their appearance.

The Energyskin system uses a heat pump which picks up the energy from the curtain wall (mainly that lost by the building) and "pumps" it at a suitable temperature into the building.

Such technology allows appreciable energy saving at favourable costs and without loss in volume; it also represents an interesting alternative to geothermal heat pumps which are not very suitable, especially in tall buildings.