



SITEVI 2009

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DÉCEMBRE
DECEMBER
PARC DES EXPOSITIONS
MONTPELLIER / FRANCE

CTIFL, Balandran "Energy panel greenhouse"

(centre for research into techniques used in the fruit and vegetable sector)

CTIFL de Balandran :

- Heat storage of solar energy in groundwater aquifers
- Energy savings
- Reversible air-conditioning
- New F-clean® film

The "Energy panel greenhouse" project is designed to help the vegetable sector reduce its reliance on fossil fuels for growing vegetables in heated greenhouses. "We're expecting energy savings of at least 30%, as well as a significant reduction in greenhouse gas emissions", says the CTIFL in a press release. The aim of the project is to develop a special greenhouse that can store and then use surplus solar energy **through a reversible air-conditioning system**. The panel greenhouse also offers a means of providing air-conditioning in the summer - solving a problem that is currently besetting farming in southern France.

The new 1000 sq.m. greenhouse, which will be made up of 3 modules (one made of F-clean® and two of glass) can be used to experiment with ways of heat storing solar energy in groundwater aquifers, providing **new alternatives to fossil fuels**.

The tests will involve growing tomatoes hydroponically, with the first culturing set for autumn 2009.

66% of the total €1.8 million cost of this greenhouse project, which has been certified by the Avignon PEIFL (European fruit and vegetable innovation division), has been financed by the Fonds unique interministériel (the French single interministerial fund set up to support research projects, the ADEME, the Languedoc-Roussillon Regional Council and Viniflor, the French governmental body responsible for fruit, vegetables, wine and horticulture.



**A date for your diaries: 16
December 2009
Technical event: alternative
energy sources for greenhouses
CTIFL centre, Balandran**

For more information, visit: www.ctifl.fr