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THE SMART-GREEN RECYCLING

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Abstract

This paper describes shortly some outcomes of a project aiming to apply a scientific research directly to industry, passing through a system that wants to promote an economic "Pact" in relation to the new construction and renovation projects of energy, according to its fundamental guidelines of the moment: renewable energy and energy efficiency. The key point is to produce energy from recycled materials that become functional to dwellings (from the garden shed to furnishings, etc.), which are combined with the latest technology. The photovoltaic paint, vertical gardens, trees with Silicon cells.

During the day these furnishings will remain open, incorporating heat and sunlight; in the evening the huge Silicon cells of the trees will close, creating picturesque lampposts with gradual release of heat, which will be retrieved for the production of thermal energy to heat houses.

Key words: green energy, recycling, sustainability

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