



Voltiris has developed a system that harvests the wavelengths of light not used in photosynthesis | Photo source Voltiris

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GREENHOUSES THAT PRODUCE THEIR OWN ENERGY

 AGRICULTURE & ENERGY

Special solar cells generate electricity using the wavelengths of light not used in photosynthesis

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7th September 2022

Website: voltiris.com

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Takeaway:

Growing vegetables requires a significant amount of power - especially during the winter months. As the world works towards net zero, growers are aiming to reduce their impact on the environment by minimising emissions per tonne of crop produced. More specifically, vegetable

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greenhouses currently has both monetary and environmental costs. According to Nicolas Weber, the cost of heating a 5 hectare greenhouse is CHF 1.5 million (around €1.53 million) per year. A greenhouse that size also emits the same amount of CO2 per year as 2,000 people. Energy-saving innovations like Voltiris are therefore extremely important.