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Researchers in the North Sea Region aim for greener greenhouse production

Researchers from Aarhus University are leading a project that puts the spotlight on reducing energy consumption in greenhouse production of fruit, vegetables and ornamental plants in the North Sea Region without compromising quality.

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Savings can be made on the energy used for lighting, heating and climate control in greenhouse production of fruits, vegetables and ornamental plants. Photo: Roar Paaske

It might be that fruit, vegetables and ornamental plants are green – but production of them is not always as green as you could wish for. In North Europe, a great deal of energy is used for lighting, heating and climate control in greenhouses.

This will be improved with the aid of a new project in the North Sea Region that focuses on reducing energy consumption and improving climate control. The project, called SmartGreen, is a collaboration between researchers and companies from six different countries and is led by Professor Carl-Otto Ottosen from the Department of Food Science at Aarhus University.

- We collaborate with growers in the various countries around the North Sea to combine research and experiments for the improvement of energy efficiency and reduction of energy consumption while maintaining product quality, says Carl-Otto Ottosen.

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