

Smarter Greenhouse with Renewable Heat and Circular CO₂

SUMMIT proudly are the agents for **VYNCKE** in New Zealand – With over **100 years** of expertise and craftsmanship in industrial energy solutions, **VYNCKE** is a global technology provider that specializes in biomass-fired systems.

For the horticulture sector, **VYNCKE** delivers integrated solutions that combine renewable heat generation with sustainable CO₂ supply, enabling greenhouse operators to reduce fossil fuel dependency while maintaining optimal crop yields.

CO₂ Recovery

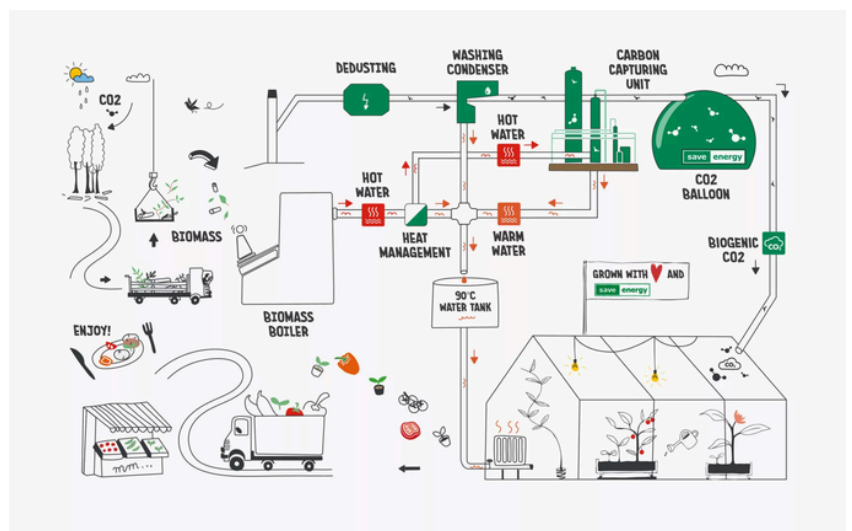
VYNCKE, together with Swiss technology partner **SAVE ENERGY** offers integrated carbon capture solutions tailored for biomass applications:

- Capture CO₂ directly from biomass flue gases
- Purification to greenhouse-grade quality
- Drying, conditioning and continuous monitoring of CO₂ quality
- Safe and consistent CO₂ supply for crop optimisation
- Optional liquefaction for demand-based CO₂ use

This integration allows greenhouse operators to produce their own renewable CO₂ locally, reducing dependence on external fossil-based CO₂ sources.

Emission Control

- Ultra-low dust emissions (<5 mg/Nm³)
- Advanced NO_x control via staged combustion and flue gas recirculation



To learn more about how renewable heat and circular CO₂ solutions can support your horticultural operation, please get in touch with us: