



Rijksdienst voor Ondernemend
Nederland

Yilkins-Joris Spaan



Unlocking Biomass Potential

Pitch RVO –
HRD100+

8 March 2017, Geertruidenberg

Vision Yilkins

Unlocking the Biomass Potential for Heat, Energy and Bio-based economy through:

- Combining Thermo- & Bio-Chemistry
- Value Chain Optimization
- Complementary Partnerships
- Implementing Learned Principles

Turning residues into valuable products



DEI Demonstration drying plant – 1 ton per hour

Picture 21 November 2016



Phase 1: Proof 'Swirl Drying' principle

Phase 2: Flue gas condensation; increasing capacity

Phase 3: Autonomous operation; remotely controlled

Product - Market Combinations

Primary application:

From 'shreds' via pellets towards local heat production

Optional applications:

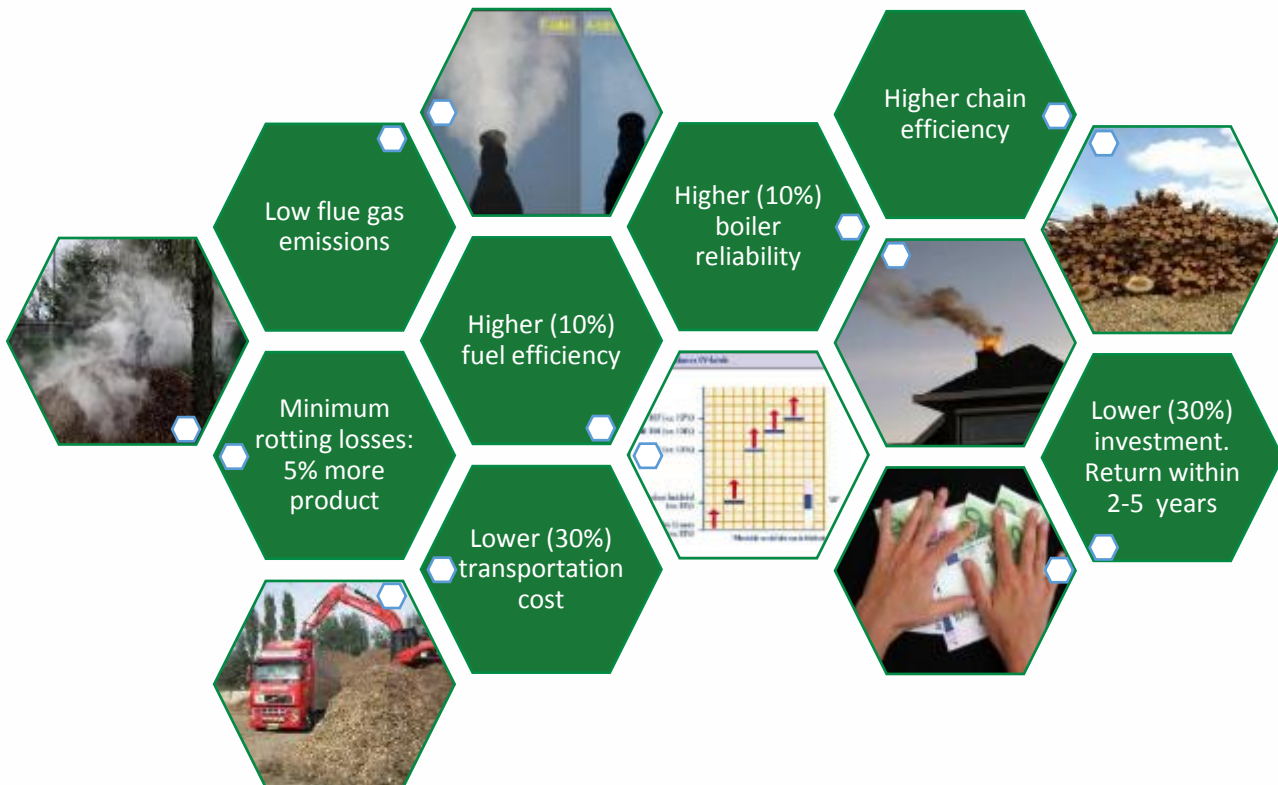
From 'beer brush' towards feed and local electricity

From 'spend mushroom compost' towards soil improver

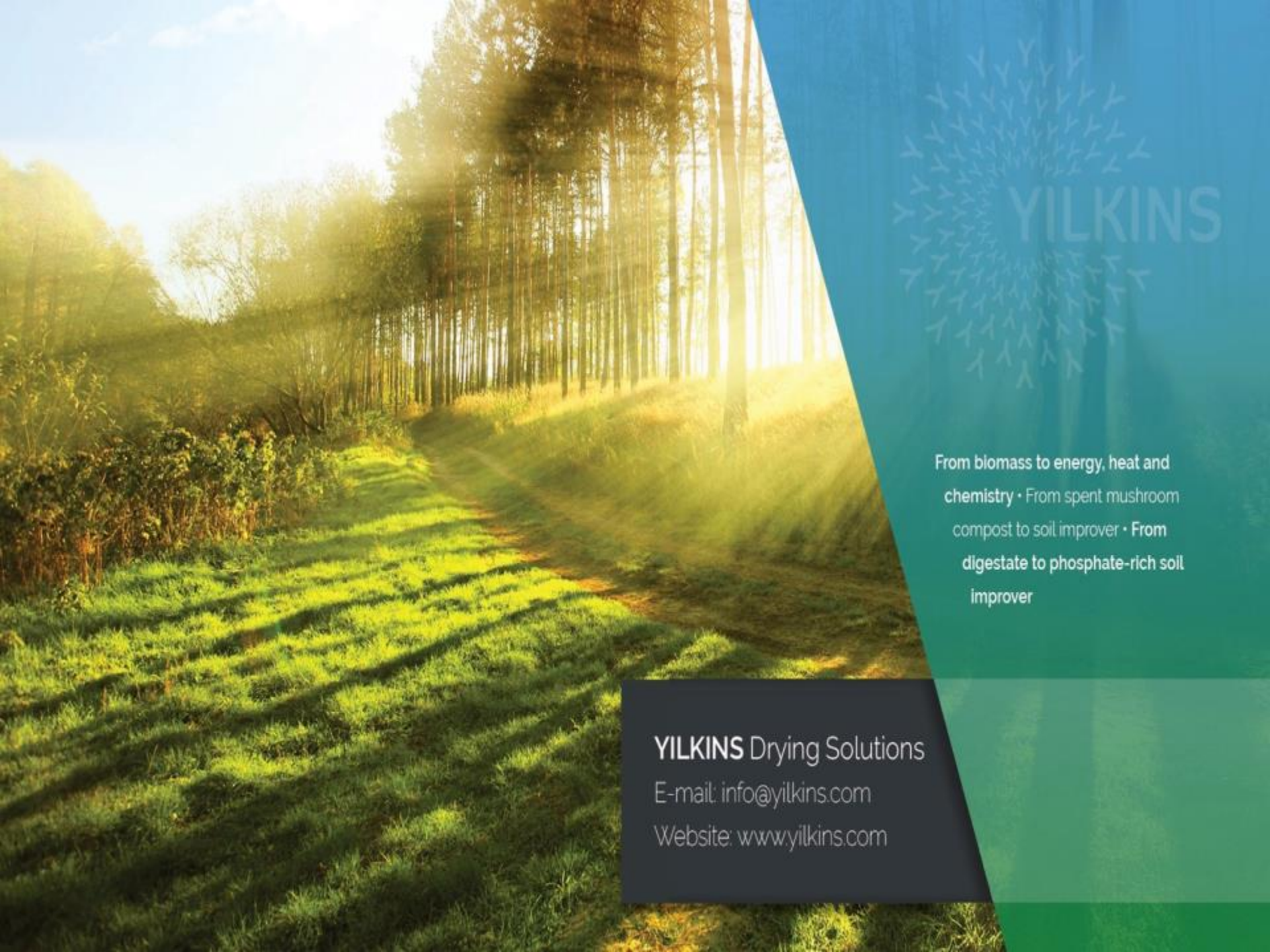
From 'digestate' towards local heat production or soil improver



YDS Value Proposition



Turning residues into valuable products



From biomass to energy, heat and chemistry • From spent mushroom compost to soil improver • From digestate to phosphate-rich soil improver

YILKINS Drying Solutions

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