



**TERGYS**  
Water and Energy Systems



## Irrigation water and green energy for sustainable agriculture

### YOUR CHALLENGES

- ✓ Secure access to irrigation water
- ✓ Better preserve foodstuff
- ✓ Access local green energy
- ✓ Add value to your biodegradable waste

### OUR OFFER

- ✓ Supply irrigation water and energy 24/7
- ✓ Dry &/or refrigerate foodstuff via green energy
- ✓ Recover energy and compost from biowaste
- ✓ Provide autonomous and modular systems



### Autonomous Plug-&-Play Systems

- ✓ 1 to 600 m<sup>3</sup>/day water production
- ✓ 5 kWh to 5 MWh/day electricity
- (+1,5 to 600 kWh/day heat if needed)

Additional module for biowaste:

- ✓ 10 to 170 MWh/year electricity
- ✓ 15 to 300 MWh/year hot water
- ✓ 1.5 to 33 tons/year compost

- ✓ Irrigation for up to several hundred hectares
- ✓ Drying of 50 up to several thousand tons/year of foodstuff
- ✓ Energy recovery, compost (and CO<sub>2</sub> if needed) from 50 to 1'000 tons/year of biowaste



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### OUR COMMITMENT

- ✓ 24/7 energy management
- ✓ Battery life >7 years
- ✓ Guaranteed water quality
- ✓ System modularity

### CLIENT FLEXIBILITY

- ✓ Equipment purchase or rental
- ✓ Remote monitoring with alerts
- ✓ Local maintenance contract
- ✓ Adapted water and electricity prices

#### **Water Pumping and Treatment Module :** **Secure supply**

Borehole &/or  
saline water

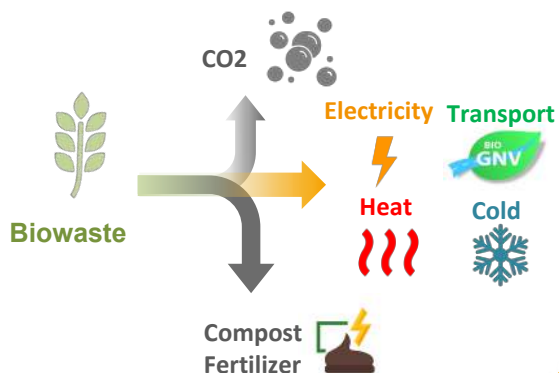


Irrigation

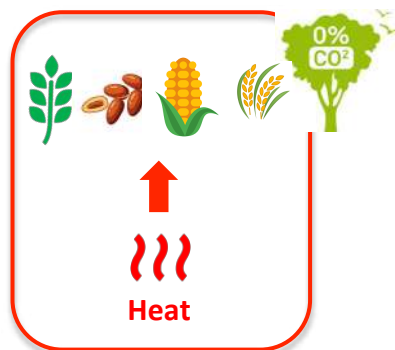


#### **Biowaste Recovery Module : Produce** **compost and reduce energy costs**

##### **Energy Recovery**



#### **Foodstuff Drying Module :** **Preserve or Dehydrate**



#### **Refrigeration Module :** **Preserve perishable foodstuff**



### OUR APPROACH

- ✓ Definition of the optimal system based on your needs
- ✓ Individualized quote and proposal
- ✓ Installation, training and start-up
- ✓ Remote monitoring and operating assistance
- ✓ Maintenance interventions



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