

Heliantis™ solar sludge drying

biosolids treatment

- **COST EFFECTIVE**
 - reduction in transport, storage and spreading costs
- **ENVIRONMENTALLY FRIENDLY**
 - low energy consumption and multiple options for reuse

reduce the quantity of
dewatered sludge using
solar radiation

ready for the resource revolution

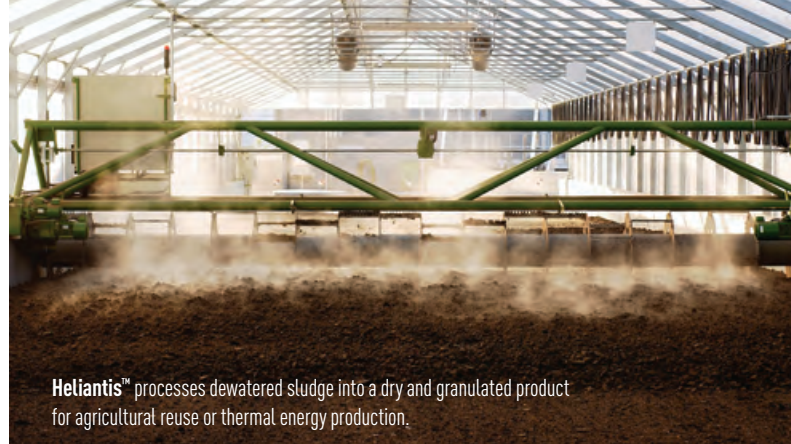
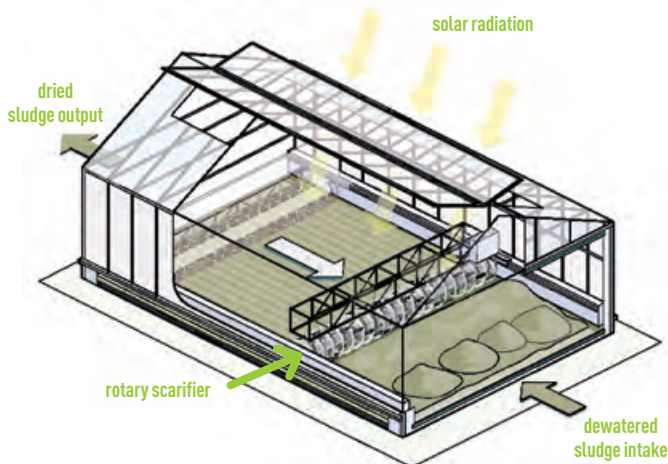


solar sludge drying for small to medium- sized treatment plants

Heliantis® technology

Heliantis™ transforms any type of dewatered sludge (minimum dry content: 15%) into a dry, granulated product with a dry-solids content that can be adjusted within a range of 35% to 85%. Using the sun as the main energy source, the sludge is dried in a greenhouse and a scarifying machine turns over and breaks up the sludge into carbon-neutral and odorless granules, for eventual agricultural reuse or thermal energy production using co-incineration.

- Dewatered sludge is brought directly to the greenhouse as it is produced
- The rotary scarifier repeatedly turns the sludge, breaking it into granules and gradually moving it forward to the exit;
- As the sludge bed is heated by the sun, the water it contains evaporates
- The moist air is evacuated to maintain optimum moisture levels in the greenhouse



Heliantis™ processes dewatered sludge into a dry and granulated product for agricultural reuse or thermal energy production.

advantages

- **SCARIFICATION OF THE SLUDGE:**
 - + increases the exchange surface
- **TURNING OF THE SLUDGE:**
 - + enhances renewal of the exchange surface
- **SLUDGE AERATION:**
 - + maintains aerobic conditions to avoid decomposition
- **SLUDGE CONVEYANCE ALONG GREENHOUSE:**
 - + results in hands-free operation
- **OVER 100 REFERENCES WORLDWIDE**

KEY FIGURE:

Capable of yielding up to
85% dry solids
content



contact

042016

SUEZ
8007 Discovery Drive
Richmond, VA 23229 USA
Tel. : +1 804 756 7600
Fax : +1 804 756 7643
sales.usa@suez-na.com

