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HUBER Solar Active Dryer SRT



HUBER Sludge Turner SOLSTICE®

Sewage sludge drying with solar energy

- Sustainable, eco-friendly process
- Best mixing and aeration of the complete sludge bed
- Minimised odour development and dust formation due to effective backmixing
- Optimised evaporation efficiency with low energy consumption
- Unique combination of sludge turning and transport

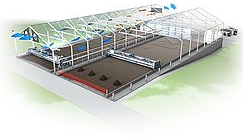
The basic principle of the HUBER SRT system is drying of sewage sludge in a glasshouse using the incident solar radiation. What makes the HUBER SRT system special is the HUBER Sludge Turner SOLSTICE®, which performs spreading and granulation of the sludge in the greenhouse and aeration, turning and mixing of the sludge bed.

The sludge feeding options can be adjusted to suit customer-specific requirements. The dewatered sludge can be fed into the greenhouse either manually, i.e. with a wheel loader, or fully automatically by a distribution screw that utilizes the evaporation area optimally.

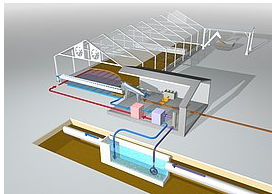
The dried sludge is discharged either into a trough, or by means of a belt conveyor directly into a container. Since the sludge is fed continuously, also units with a low throughput can be used for sludge dewatering.

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Design Sketch



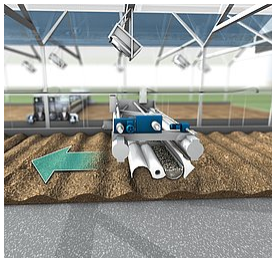
HUBER SRT system – solar sewage sludge drying with the HUBER Sludge Turner SOLSTICE®



Systems concept: Sludge drying with solar and renewable energy



A double shovel is ploughing through the sludge bed and turning the sludge as the machine is moving through the greenhouse



The HUBER Sludge Turner SOLSTICE® can backmix sludge.

Case Studies

- More than 15,000 tons of sewage sludge per year: HUBER installs solar sewage sludge drying technology on Pachacútec WWTP (Peru)
- HUBER SE receives order for world's largest solar sludge drying plant
- Solar HUBER dryer stops rising costs for sludge disposal
- From thin sludge to dry granulate – all from one source
- New safety system for the HUBER Sludge Turner SOLSTICE®
- Research and development in the field of solar sludge drying
- Largest solar sewage sludge drying site in Southern Germany fully equipped by HUBER
- HUBER Solar Sludge Dryer SRT – unique in variability of sludge feeding and removal
- HUBER Solar Active Dryers offer sustainable technology for maximum drying performance
- Cold weather cannot stop the HUBER Solar Dryer SRT
- Solar dryers are in demand worldwide even for big and medium-sized wastewater treatment plants
- Solar sewage sludge drying – a reasonable solution if based on intelligent and sustainable design

- HUBER installs its first combined solar and regenerative sewage sludge drying project
- Trust is good, control is better: HUBER Sludge Turner SOLSTICE® trial dryer in the field

Media



Animation: HUBER Sludge Turner SOLSTICE® for large quantities of sludge
<https://www.youtube.com/watch?v=T-FUbjSzMZE>



Animation: HUBER Sludge Turner SOLSTICE®
<https://www.youtube.com/watch?v=gOkKQhmA4uM>



Video: HUBER Sludge Turner SOLSTICE®
<https://www.youtube.com/watch?v=QdWhhrCokug>



Video: Solar Active Dryer SRT at STP Gunstett
<https://www.youtube.com/watch?v=JqflpsD16VM>



Video: Solar Active Dryer SRT at STP Marktbergl
<https://www.youtube.com/watch?v=Zajln8OGxpk>

More products of this group: Sludge Drying

- HUBER Belt Dryer BT
- HUBER Disc Dryer RotaDry®



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