



ThermSolAer™ =

THERMAER™  TERSOLAIR®

A Combination of Proven Technologies Offers an Exceptional Biosolids Management Process

Some of the best equations are the most simple. The combination of ThermAer + TerSolair offers you the smartest, most forward-thinking biosolids management process available today.

Biosolids management is often in the top three budgetary line items for wastewater treatment plants. Options for disposal can be limited and expensive. The ThermSolAer, a combination of the ThermAer, a heat recovery system and the TerSolair dryer will reduce or even eliminate biosolids management costs. ThermSolAer creates a Class A, organically bound material, dried to high levels which is a valuable source of nutrients for local landscapers, golf courses and the community.

Together these processes offer:

- Class A biosolid - even BEFORE introduction to the dryer
- Augmented energy recovery - green technology, small footprint
- High VSR and TSR - Fewer tons of solids to dry/haul/manage
- Greater than 70% cake solids - don't pay to haul water
- Consistent process - year-round results
- Resulting Biosolids are nutrient rich and valuable - potential profit center for community





**Autothermal Process + Augmented Energy Recovery =
A Green, Low-Energy Process**

**High VSR + Odor-Free Drier Cake =
Valuable Nutrient-Rich Biosolids**

**Consistent Year-Round Process + Small Footprint =
Potential Profit Center**

ThermAer

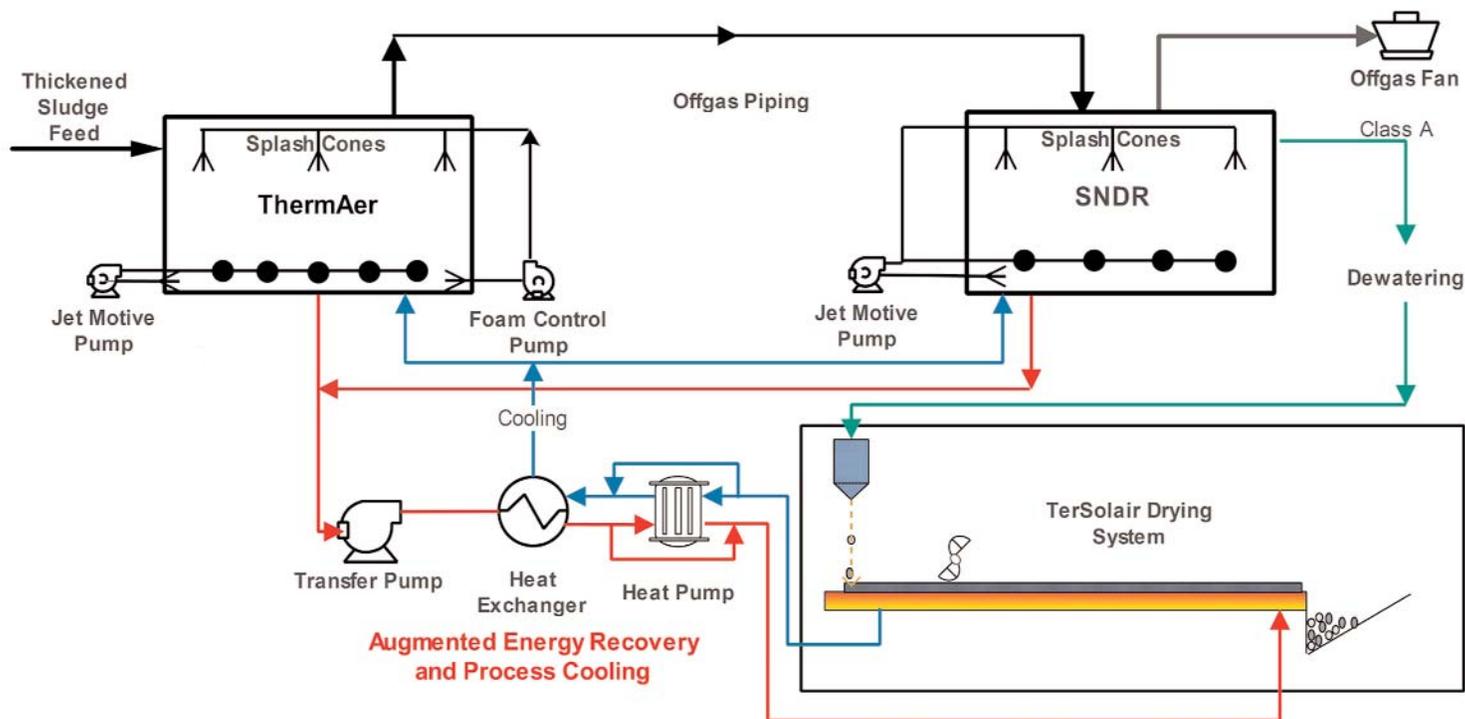
With over 50 domestic installations, the Thermal Process Systems' ThermAer is a proven, reliable and energy efficient method for generating Class A solids. This process results in a quality product needed to compete in today's limited land application and reuse options. With ThermAer, you are assured of a Class A classification under USEPA Part 503 regulation offering almost endless reuse options for your biosolids.



TerSolair

TerSolair, by Aqualter - a dominant manufacturer of water/ wastewater treatment equipment based in France, is a leading solar dryer in the European market. The second generation solar dryer utilizes solar energy + augmented energy recovery from the ThermAer to create a consistent, dry, sustainable, and most importantly, a valuable end product. Energy recovery from the ThermAer heats the floor allowing for a small footprint, more efficient drying, and a more consistent process year round. The automated process can reduce the volume by 80% thus lessening final biosolids management cost. A state-of-the-art crane ensures complete turnover of the solids. These unique features of the TerSolair set it apart from other solar dryers on the market.





Let Us Help!

The autothermal thermophilic nature of the ThermAer reactor generates millions of BTUs that can easily be recovered and reused in the TerSolair. This equates to more energy transfer per square feet of drying resulting in a smaller footprint. The only energy costs needed to operate results from a very low hp mechanical drive that turns the solids and a high efficiency heat pump to assist in the heat recovery from the ThermAer process. The solar energy is provided by Mother Nature and the radiant floor heating is generated by the naturally occurring micro-organisms in the ATAD reactor. This radiant heating is available



year round providing consistent performance, even in the winter when solar rays are lower in the sky. Lower long term energy costs + potentially eliminated biosolids management costs can ease the budget for biosolids management thus freeing up resources and manpower.

Let Thermal Process Systems help you find a green, and importantly, sustainable reuse source for your dried biosolids.





Reco
recycle
reuse

You CAN have it all!

***Please contact us at 219-664-1034
for a free evaluation of your
biosolids management potential.***



**THERMAL
PROCESS
SYSTEMS**

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