

ECS Aeration & Aeration Floors



engineered **COMPOST** systems

Aeration

ECS offers the broadest range of aeration systems to the composting industry. Our systems are built to match the specific biological needs of each application, as well as the functional and economic requirements of an individual client. Our designs are based on published science, rigorous engineering principals, and our own extensive experience.

We offer negative, positive and automatically reversing aeration configurations. Through smart design and adaptive control strategies, our systems achieve energy efficiencies far above industry standards. These systems are integrated with the ECS **CompTroller™** to provide operators with a powerful tool to access, tune and automatically control their composting process.



Aeration Floors

ECS offers several different below and above grade aeration floor options that are compatible with loading and unloading using front-end loaders; and are suitable for a wide variety of feedstocks and project budgets.

Our below grade options include our In-Slab Low-Friction Trench, a High-Pressure Sparger, and a Suspended Floor for biofilters.

The Trench and Sparger floors can be used in conjunction with either solid-block or straddle type compost turners.

All options collect condensate/leachate, are plug-resistant, and are easily maintained.

Our above grade systems include the **CompDog™** and HDPE Pipe-on-Grade.



The CompDog™ uses an inflatable form to create aeration vaults under an ASP pile. The CompDog™ system includes inflation & deflation and deploying & retrieval equipment.



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- Facility Design
- In-Vessel
- ASP
- Automated Controls
- Client Support