

# ECS Aeration & Aeration Floors



engineered**COMPOST**systems

## Aeration

The aeration system distributes air through the biomass to enhance composting conditions. All process air exhausts through an ECS designed biofilter. All aeration components in contact with the compost's corrosive exhaust air-stream are made from stainless steel or polymeric materials. The aeration system is designed to conserve energy with variable speed fans, and adaptive control strategies. Motorized dampers control airflow and direction to each pile. Damper position is automatically set by the control system.



## Aeration Floors

ECS offers several different below and above grade aeration floors that distribute air through the biomass and are compatible with loading and unloading using front-end loaders.

Our In-Slab channel aeration floor collects condensate/leachate, is plug-resistant, and is easily maintained.



The CompDog™ floor system uses an inflatable form to create aeration vaults under an ASP pile. In-floor sparger and pipe-on-grade options are also available.



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