

Products and Services



RELIABLE • AFFORDABLE • SUSTAINABLE

The ECS Process

No compost facilities have the same requirements, characteristics or feedstocks—That is why we are committed to providing each of our Clients with a solution that is tailored to best meet their economic, environmental and technological needs.

We begin by listening...and using a rigorous design approach we've developed over the past decade...combined with our unparalleled range of system and component offerings to provide Clients with several appropriate pro-forma options. Our Clients are thus better able make an informed decision on whether or not to proceed with a new potential project or facility upgrade; and which, among many process options, best suits their unique application and needs.

When a new project or facility upgrade proves feasible, we develop a detailed process design in concert with the Client's other team members (engineers, environmental consultants, and contractors). Our typical project scope of work includes:

- Providing drawings and calculations for permitting support;
- Providing the manufactured process components for facility construction;
- Conducting facility start-up and acceptance testing;
- Training facility staff to use process equipment and on the fundamentals of composting; and,
- Providing product service, on-going technical support, and annual site inspections.



ECS Solutions for Sustainability

AC Composter™ Covered and negative aeration ASP technology offers excellent AND cost-effect process control. The AC Composter™ can be used with In-slab or CompDog™ aeration floors, and in a variety of site configurations. Patents are issued and pending.

SV Composter™ Stationary in-vessel technology with concrete site-built vessels; reversing aeration; in-slab floor aeration (that collects condensate/leachate); and, enclosed aeration hallway provides processing certainty for all climates and feedstocks. It offers the best capture and reduction of odors, VOC and GHG air emissions; and smallest footprint of all ECS systems.

CV Composter™ Containerised (modular) in-vessel technology with stainless steel vessels built onto roll-off system chassis; reversing aeration; condensate/leachate collection; and excellent capture and reduction of odours, VOC and GHG air emissions. It requires minimal infrastructure and the modular approach easily adds additional capacity for growth.

ECS Standard ASP Proven and reliable designs for both primary composting and curing. They are available with single and/or reversing aeration systems; various configurations (discrete piles, mass-bed, bunker-walls); and, with in-slab or above grade aeration floors.

CompDog™ Unique and affordable pipe-less & above grade aeration floor that adapts easily to new facilities and provides a logical upgrade path for existing windrow facilities looking to transition to ASP technology. Patents are issued and pending.

RF TeleProbe™ The compost industry's leading wireless compost temperature monitoring technology. The RF TeleProbe™ has been continuously in service since 1999; offers single or dual sensors; and, is compatible with ECS aeration control and monitoring software, PLC systems, or data monitoring and recording only.

CompTroller™ ECS' automated aeration control and monitoring system is operating at over 30 compost installations in North America. It is designed for regulatory compliance and providing operators with a broad range of process options.

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

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ECS PATENTS The AC Composter™ covered aerated pile system and CompDog™ aeration floor system are covered by US Patents 7,642,090, 7,713,731, and other US and foreign patents pending.