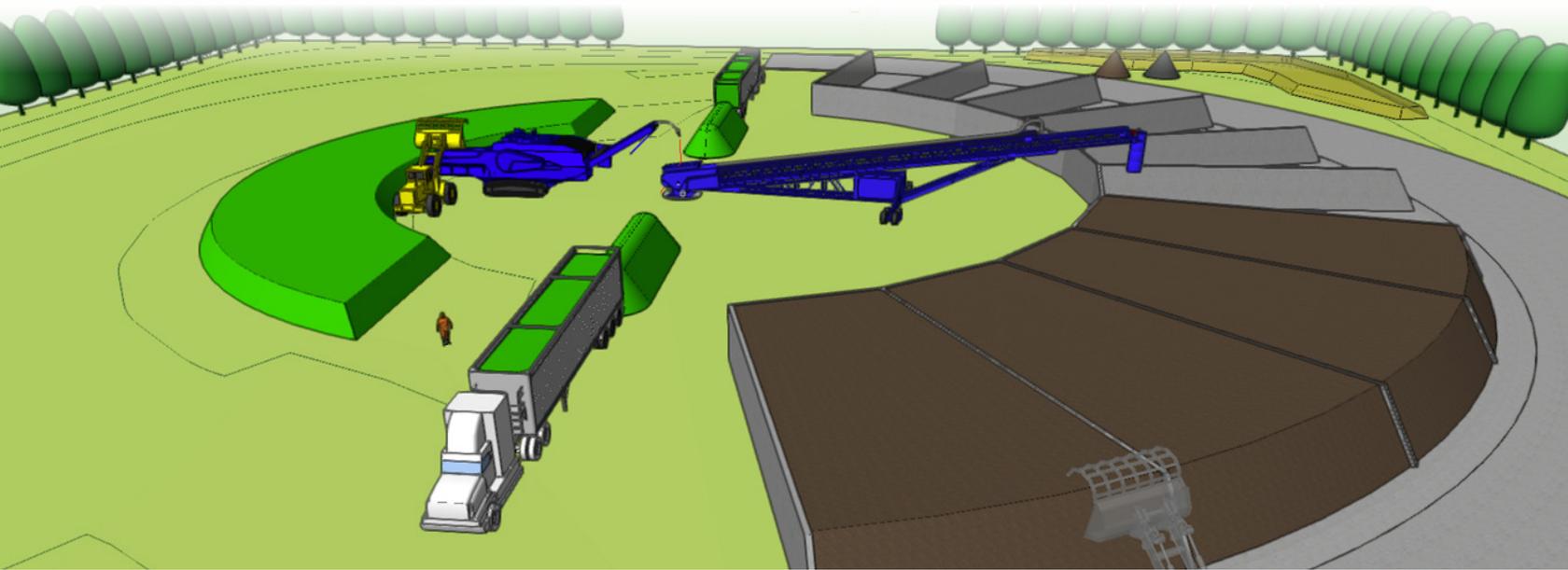


Radial Aerated Static Pile



The success of any ASP system depends on how well you build your pile. GMT's Radial ASP (rASP) system is designed to build the perfect pile by combining state of the art computer controlled telescoping conveyors with high capacity grinders. The telescoping conveyor places material from the grinder or mixer directly onto the ASP aerated pad reducing expensive loader and operator time. Using a loading conveyor avoids the compaction that happens when handling compost with a loader and the optional high energy flail breaks up clumps and increases porosity. The conveyor can also automatically rewet the compost pad with irrigation sprayers to maintain optimal compost conditions. The Radial system takes ASP composting from "one touch" to a "NO TOUCH" processing.

One of the challenges with ASP systems is application of the insulating Bio-Cover layer (6-12" layer of woody material) once the pile is built. The Bio-Cover layer significantly reduces odors and VOC's and inhibits vectors like birds and flies. The automated conveyor system is programmed to accurately place the Bio-Cover layer to a specific depth and quickly cover a pile.

Radial Aerated Static Piles (rASP) are a simple and efficient way to compost challenging feedstocks like food waste, biosolids and manures. rASP's are simple because they compost faster and require less labor. rASP systems fit on a significantly smaller footprint than turned windrows. Smaller footprints result in reduced land costs, smaller leachate ponds and reduced pavement or concrete surfaces.

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rASP Design Features

Positive, Negative and Reversing Aeration

- Positive air allows for smaller blowers, less leachate generation and does not require biofilters. This feature is adequate for most feedstocks.
- Negative air allows for complete capture and treatment of the air coming out of the piles, which is then treated using biofilters.
- Reversing systems use both positive and negative aeration which reduce temperature gradients, water losses, and speed up the composting process.

Above and Below Grade

Pipes distributing air under the compost piles can be either above or below the working surface. There are significant savings for pipe handling labor and repair costs if the piping is put below grade.

- Above grade pipes work on existing paved or dirt sites.
- Below grade piping is done by trenching existing paved sites or placing pipes below any new pavement.
- GMT below grade aeration systems can last over 25 years without replacing pipes, nozzles or dampers.

Process Control

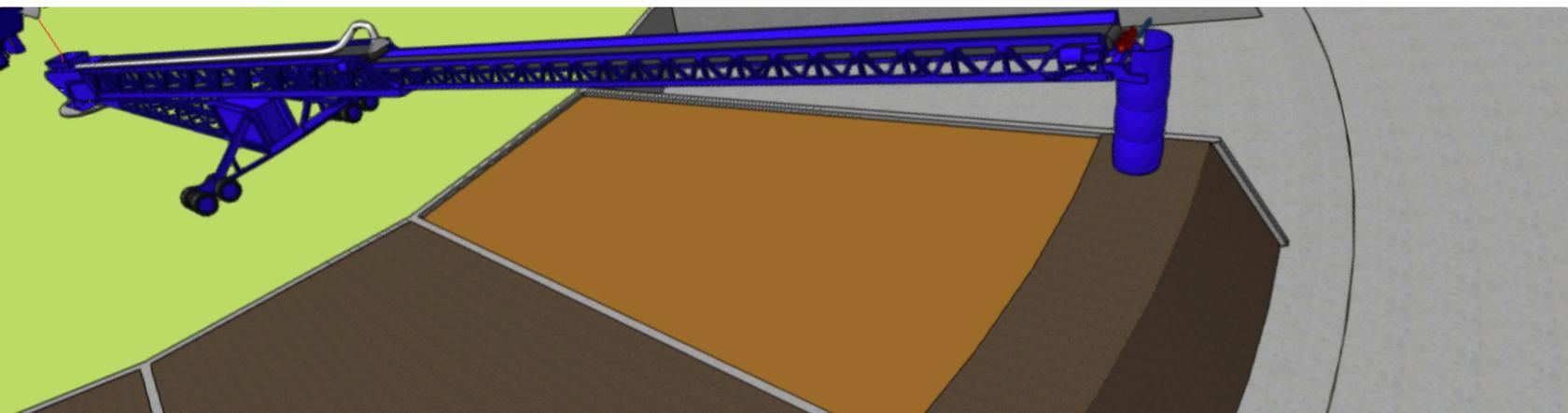
The key to rapid decomposition is proper moisture and temperature control. Without an automatic temperature feedback system, it is almost impossible to keep up with the rapidly changing conditions in a composting pile. GMT manufactures wired and wireless temperature probes and state of the art controllers to accurately control and record compost pile temperature.



Above Ground Aeration



Below Ground Aeration



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