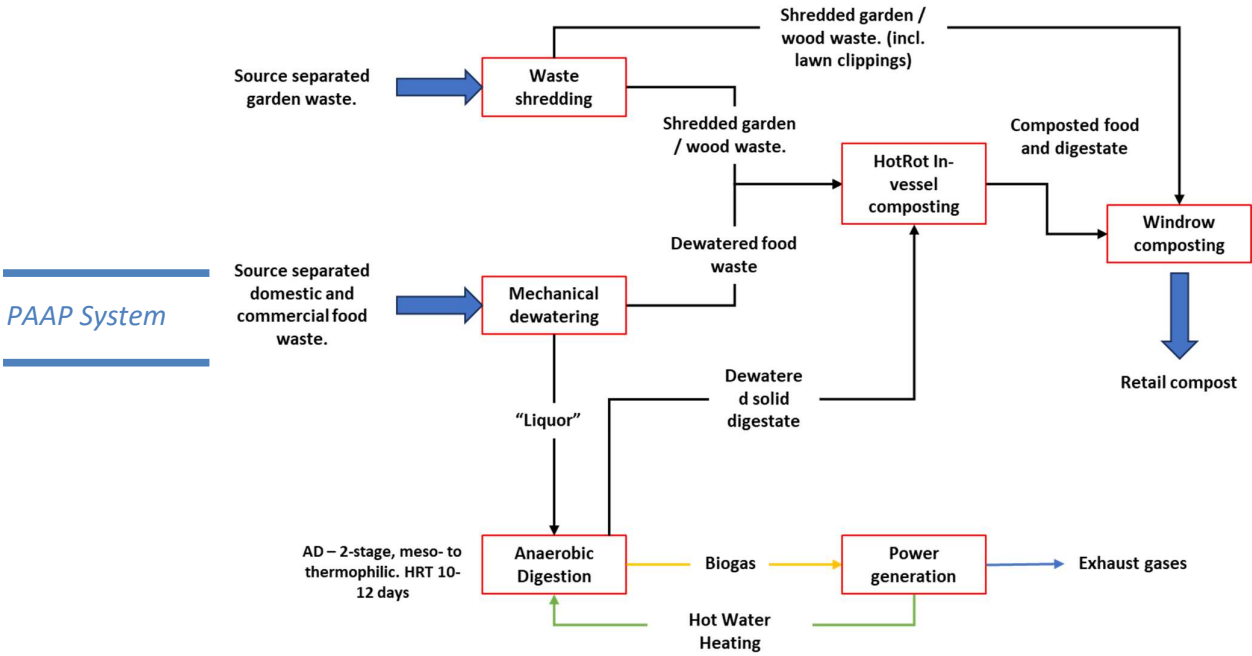


PARALLEL AEROBIC AND ANAEROBIC PROCESSING (PAAP)



Three 3518 (30 tpd) food waste – Buenos Aires, Argentina



PAAP System

Source Separated Food Waste

Typical Applications

Separate kerbside collected food waste or kerbside collected mixed food and garden waste where garden waste is NOT consistently available for use as bulker. Many communities lack access to a consistent supply of green waste due to seasonality of growth, etc.

The PAAP system combines the HotRot technology with package or large-scale anaerobic digestion in a unique parallel arrangement. Systems may be appropriate for remote work camps and communities through to municipalities with up to approx. 450,000 people.

General Operation

Food waste is mechanically dewatering, and the dewatered material then directed to the HotRot system for aerobic composting. The removed liquid is transferred directly to an anaerobic digester. Dewatering effectively separates contaminants such as packaging, compostable cups and cutlery, and any green waste which are all unsuitable for anaerobic digestion and produces an organic rich liquor that is directly suitable for anaerobic digestion. The “Drier” dewatered food waste directed to the HotRot system requires minimal bulker (wood waste, bark, or woody green waste).

Dewatering can reduce the overall capacity of the composting system by up to 50-60% and optimise the operation of the process. Similarly, the anaerobic digestion system size is minimised, and the process also optimised.

Space requirements

Smaller HotRot 1206 and HotRot 1811s can be matched with small containerised anaerobic digestion units producing electricity or biogas. Larger 3518s singularly or in multiples up to eight units can be paired with tailored larger-scale anaerobic digestion technology and optimised for biogas or electricity production.

Each system can be designed to fit your site and how you want to operate.

Supply and Installation

Global Composting Solutions partners with specialist manufacturers of anaerobic digestion systems to provide installation, commissioning, and training globally and will work with you to ensure this is done as efficiently as possible.

Odour Control

Each HotRot unit is supplied with an integrated biofilter for odour control. The HotRot units are supplied with an Odour-free Guarantee¹. Anaerobic digestion systems are fully enclosed ensuring odour management.

¹ Systems must be installed and operated according to our specifications. Odour-free Guarantee does not extend to other on-site operations, including product maturation.