

Plasma Arc Waste Destruction System (PAWDS)



Marine and Mobile LandBased
Solutions for Waste Destruction
and Energy Recovery



PYROGENESIS
ENERGY FROM INNOVATION



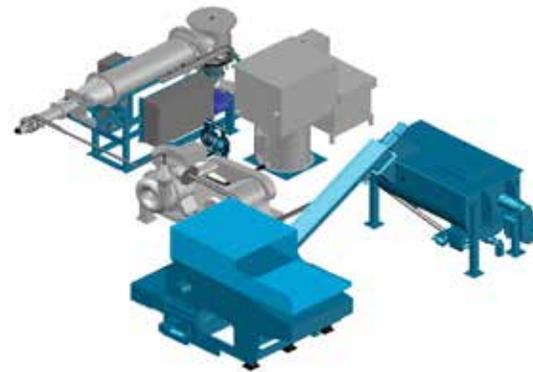
PyroGenesis Canada's Plasma Arc Waste Destruction System (PAWDS) is the world's most compact, easy-to-operate, high temperature, plasma-based waste treatment system. With rapid start-up and shutdown capabilities, PAWDS effectively destroys paper, plastics, food, oily rags, as well as waste oil, all with minimal segregation.

- * Very compact design: Impressive ROI for newbuilds and retrofits
- * Fully automatic / sailor friendly with minimal manpower
- * Rapid start-up and shutdown (no refractory/brick)
- * No visible plume or heat signature
- * Safe with no risk of fire

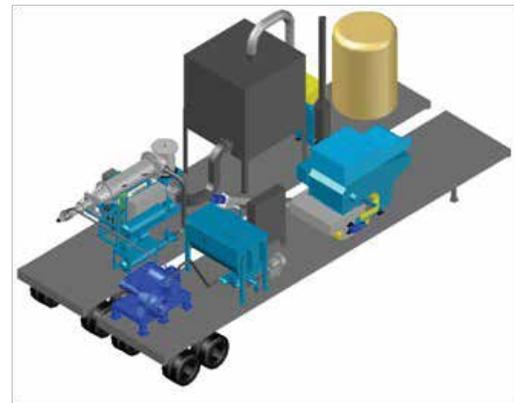
ENERGY RECOVERY MODULE AVAILABLE

CAPACITY	0.5—15 tonnes/day (CVN 78 = 5 TPD)
WASTE	Solid, carbon-based Waste, including: Paper Cardboard Wood Food Plastic Oily Rag Waste Oils / Sludge Oils <u>MINIMAL SEGREGATION</u>
CERTIFICATION	Lloyds Registry MED Type Approved for solid waste and sludge oil
SIZE	<u>Marine</u> : One (1) deck - 1/5 th the size of a typical marine incinerator <u>Mobile-Land</u> : 2-3 flat-beds
APPLICATIONS	Aircraft Carriers & Supercarriers Amphibious Assault Ships Landing Platform Docks Destroyers & Frigates Cruise Ships Mobile Disaster Relief

Marine Configuration



Mobile-Land Configuration



PAWDS will be installed onboard the CVN 78 USS Gerald R. Ford Supercarrier and is readily scalable for smaller ships



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