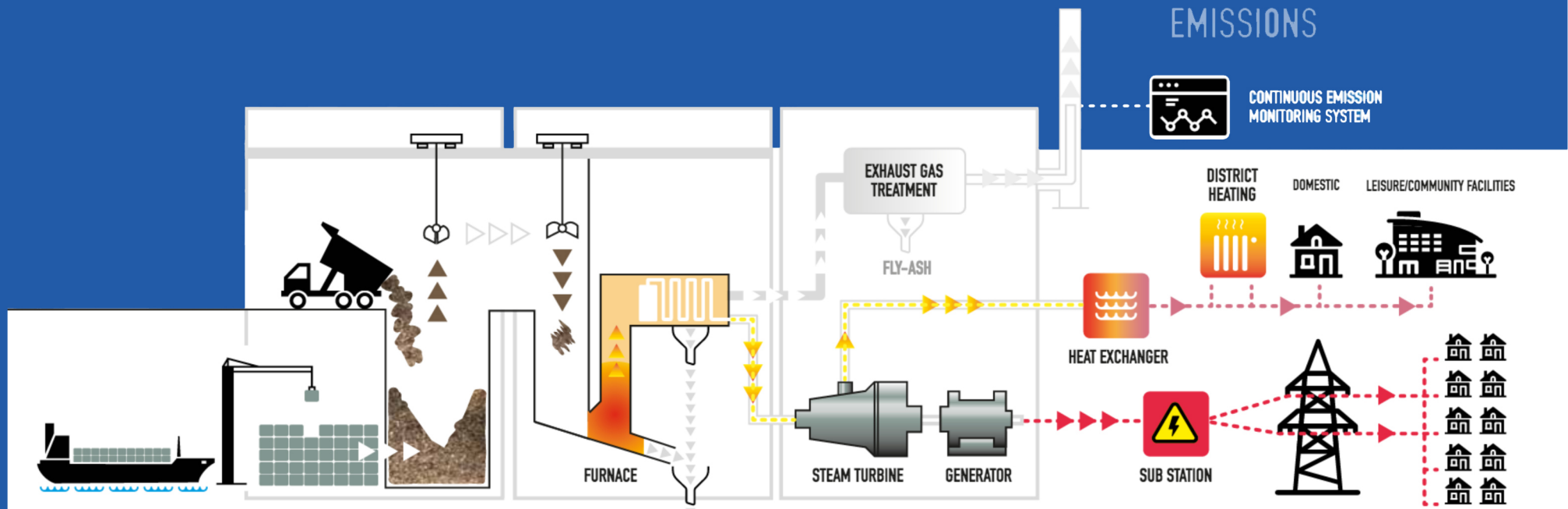




WASTE		ASH		HOT WATER	POWER
FUEL DELIVERY	FUEL FEED	COMBUSTION & POWER PRODUCTION		POWER + HEAT + AGGREGATE + ASH + EMISSIONS	
Local RDF delivered loose by lorry RDF "avoided export" delivered baled and wrapped by boat; unloaded by crane	RDF debaled as required Fed onto moving grate for combustion	RDF fed into furnace at controlled rate for burning at high temperature Controlled air mix ensures complete combustion of waste in combustion chamber Superheated steam drives turbines in power plant Steam is condensed and water fed back High efficiency turbine creates power for export and to power plant Inert bottom ash removed for recycling and reuse in aggregate		1/3 of plant devoted to cleaning exhaust: lime removes acid; activated carbon removes dioxins, furans, metals, VOCs etc Fly ash – dust and reaction products collected in fine filter bags and collected in residue silo Cooled, clean flue gas and steam discharged via stack No visible plume Discharge predominantly over water	
				Electric power produced is exported to the grid and sold to households and business Low pressure hot water provided to local community district heating	