

Energy from RDF (Refused Derived Fuel) with Pyrolysis Technology

n.ref	2018-002	Sector:	Waste management and Energy																																		
Status:	Active																																				
Opening date:	Jan-18																																				
<p>This system allows to recycle solid waste such as rubbers, plastics, car fluff, MSW, hospital waste, industrial sludge, pollen and animal waste and all materials with energetic potential.</p> <p>It consists in a plant installed in a suitable shed that includes:</p> <ul style="list-style-type: none"> 1-Pyrolysis oven and connected systems 2-Syn-gas condensation plant, diesel oil and bio-coal 3-Control and safety systems 4-energy generator 5-dust suppression system 6-bio-char recovery system <p>An average plant can recycle 20 tons of waste per days for a net production of electrical energy (to be used or introduced into the grid) of 18.5 Gwh per year (This is an average indication, as the production can change depending on the composition of the waste)</p>			<table border="1" style="width: 100%; border-collapse: collapse; background-color: #ffff00;"> <thead> <tr> <th style="text-align: left;">RAW MATERIALS</th> <th style="text-align: left;">OIL YIELD RATE</th> </tr> </thead> <tbody> <tr><td>PE</td><td>95%</td></tr> <tr><td>PP</td><td>90%</td></tr> <tr><td>PS</td><td>90%</td></tr> <tr><td>Plastic Cable</td><td>80%</td></tr> <tr><td>Submarine Cable</td><td>75%</td></tr> <tr><td>PC</td><td>70%</td></tr> <tr><td>Plastic Bags</td><td>50%</td></tr> <tr><td>ABS</td><td>40%</td></tr> <tr><td>Leftovers of papers</td><td>Wet 15-20% - Dry 60%</td></tr> <tr><td>Big Tyres</td><td>45-50%</td></tr> <tr><td>Small Tyres</td><td>35-40%</td></tr> <tr><td>House garbage</td><td>35-50%</td></tr> <tr><td>Rubber Cable</td><td>35%</td></tr> <tr><td>Sole</td><td>30%</td></tr> <tr><td>PVC</td><td>30%</td></tr> <tr><td>PET</td><td>NA (recommended plastic pellets machine)</td></tr> </tbody> </table>	RAW MATERIALS	OIL YIELD RATE	PE	95%	PP	90%	PS	90%	Plastic Cable	80%	Submarine Cable	75%	PC	70%	Plastic Bags	50%	ABS	40%	Leftovers of papers	Wet 15-20% - Dry 60%	Big Tyres	45-50%	Small Tyres	35-40%	House garbage	35-50%	Rubber Cable	35%	Sole	30%	PVC	30%	PET	NA (recommended plastic pellets machine)
RAW MATERIALS	OIL YIELD RATE																																				
PE	95%																																				
PP	90%																																				
PS	90%																																				
Plastic Cable	80%																																				
Submarine Cable	75%																																				
PC	70%																																				
Plastic Bags	50%																																				
ABS	40%																																				
Leftovers of papers	Wet 15-20% - Dry 60%																																				
Big Tyres	45-50%																																				
Small Tyres	35-40%																																				
House garbage	35-50%																																				
Rubber Cable	35%																																				
Sole	30%																																				
PVC	30%																																				
PET	NA (recommended plastic pellets machine)																																				
Applications:	RDFs, Tyres, Ribbon, Plastics, all material derived from petroleum, paper etc..																																				
Looking for:	Waste dumps, Municipalities																																				