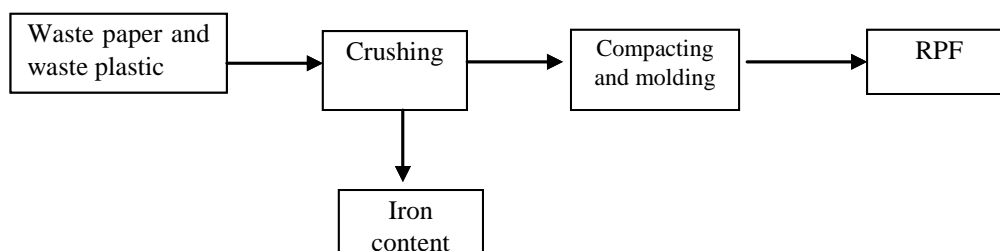


Technology	RPF (Refuse Paper & Plastic Fuel)
Targets	Waste paper and waste plastic derived from industrial waste
Overview of the Technology	<ul style="list-style-type: none"> - Out of major industrial waste products, products manufactured from the materials difficult to conduct material recycling such as waste paper (excluding polyvinyl) and waste plastic are called as RPF(Refuse Paper & Plastic Fuel). RPF is obtained by crushing waste paper and waste plastic, removing any iron content, and finally compacting and molding them. - Compared to RDF, which is made from combustible general waste, since RPF is made from industrial waste products with a clear history, it does not require a drying process and is easy to manufacture. - Through adjusting the mix ratio of waste paper and waste plastic, a heating value in the range of approximately 5,000~10,000 kcal can be obtained, and the end product can be used as an alternative to fossil fuels such as coal and cokes by paper manufacturers and steel makers, etc.

Process Flow

【RPF Manufacturing Process】



Effect	<ul style="list-style-type: none"> - Through converting waste paper and waste plastic derived from industrial sources into RPF and thereby improving storage, collection and transportation efficiency, it becomes possible to recover heat from these wastes over a wide geographical area.
Applicability	<ul style="list-style-type: none"> - Suitable for waste with high calorific value - Applicable where drying is not required during manufacturing process. - Ideal where reduction of incinerated ash to approximately one-third its former level is expected. - Suitable where reduced fuel consumption and lowering of CO2 emissions is required. - Good recycling potential of superior quality incinerated ash .