Recycling Food Waste to Energy -First Mover Pitfalls: IUT Global Pte Ltd



Recycling Food Waste to Energy -First Mover Pitfalls: IUT Global Pte Ltd





#### **History Of recycle**

- 500 B.C- Athens organized the first ever municipal dump program in the western world, laws dictate that garbage and wastes must be dumped one mile away from the city walls
- 1031- Japan started the first ever recorded reuse of waste paper, all paper are repulped into new paper and sold in local mom and pops shop
- 1865- The Salvation Army was found in London, they started collecting, sorting and recycling unwanted goods
- 1916- The Federal Government creates a Waste Reclamation service
- 1964- All aluminum cans is introduced





### HOW RECYCLING WORKS IN MODERN DAY

- Transfer truck
- loaded into hopper
- first sort
- glass sorting rollers
- · container/paper sorting machine
- fiber sorting lines
- · container sorting lines
- magnetic can sorters
- fiber baler
- · fiber bales
- container baler
- metal and plastic bales

# CONS



- High upfront capital costs
- Unhygienic, unsafe and unsightly
- May not be durable
- Recycling is limited
- There is so much that we cannot recycle and in order to continue the development of technology, it is costly and time consuming.



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Easy Ways To Help Save The Earth

- 1. Reuse Plastic Bags
- 2. Buy Rechargeable batteries
- 3. Get crafty (DIY)
- 4. Shop at Second Hand Store
- 5. Reuse and compost food waste

#### Fun Facts!!!

Aluminium cans can actually be recycled and put back onto the shelf at your local grocery store in just about 2 months

Mos

If you throw away your aluminium cans, they can stay in that can form for up to 500 years or moreso recycling is the way to go

Recycling an aluminium can can help to save a great deal of energy, in fact, it is enough to run your home television for about three hours!

Most people produce 4.4 pounds of trash per day that results in about 1.5 tons of solid waste per year.

Aluminium used to be more valuable than gold, many years ago.

