

The challenge

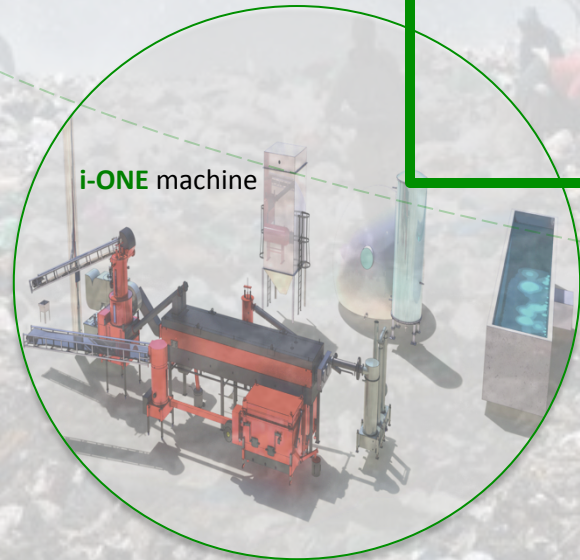
If the universe is mainly composed of hydrogen, oxygen, carbon and nitrogen, **it means that the materials produced by man are also built from these fundamental chemical elements.**

The logical **intuition is to break down the materials produced by man into simple chemical elements**, that is hydrogen, carbon, nitrogen and recomposed them into chemical compounds useful for man.

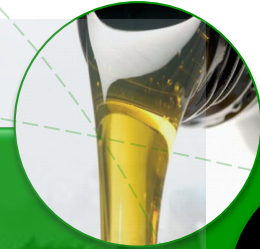
Nature does it in millions of years, **the challenge was to reproduce the natural process in a few hours. We make it possible.**



Through a patented production process the plant breaks down the raw materials of which the waste was composed.



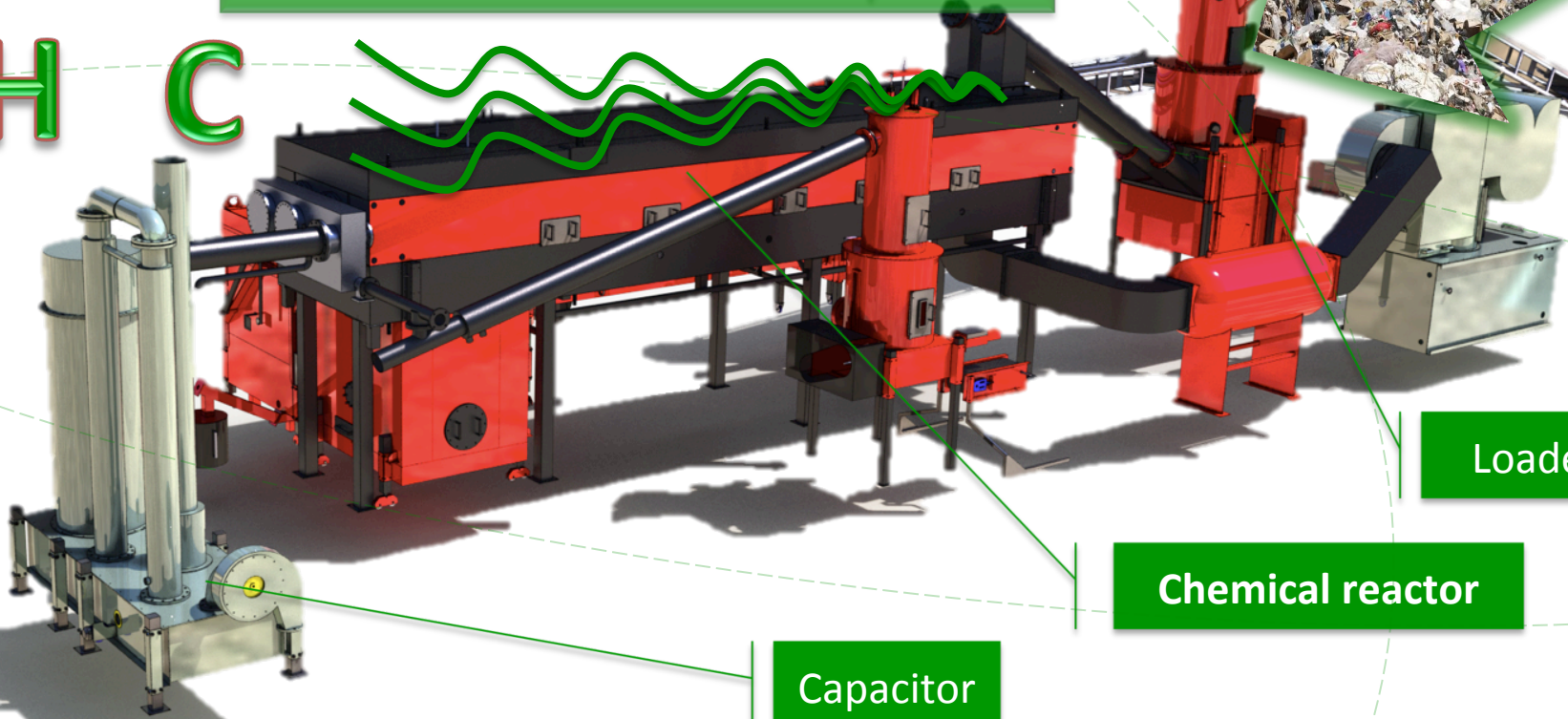
1. Synthetic oil (diesel)
2. Gas
3. Active coal
4. Metals



The principle of its operation

In an hour the reaction takes place

H C



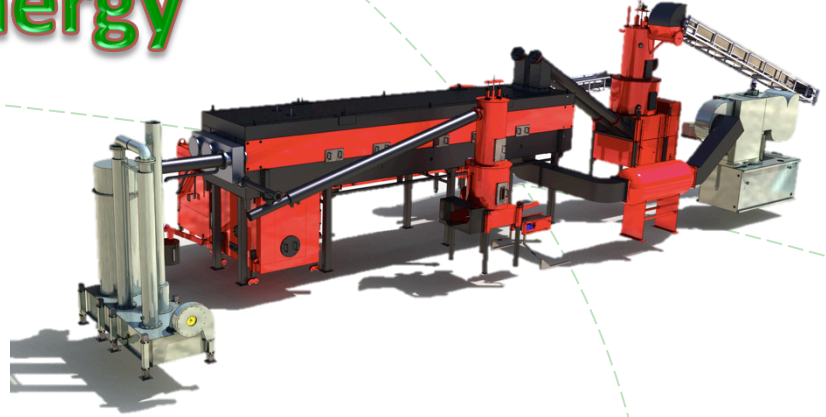
Loader

Chemical reactor

Capacitor

They are the basic "building blocks" for turning waste into energy

H C



| | |
|----------------|---|
| Gas | ($\text{CH}_4 + \text{CO} + \text{H}_2 + \text{C}_3\text{H}_8 + \text{C}_4\text{H}_{10}$) |
| Methyl alcohol | ($\text{CH}_3.\text{OH}$) |
| Oil | (C; H) basic elements |
| Charcoal | (C) |
| Metals | (magnetic separator) |

In the **absence of oxygen** the plant produces:

A small part of the raw materials produced allows the plant to operate.

Synthetic oil
(diesel)



Gas



Active coal



Metals



Made in Italy
Technology

i-ONE machine

