에스알테크

PLAAMENT

RETURN TO THE ROOT

Business cooperation proposal

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SRTECH is specializes in providing innovative solutions for future industries.

The company is committed to ESG (Environmental, Social, and Governance) management and has established itself as a leader in sustainable technology.

Since its inception in 2019, SRTECH has successfully carried out a number of national projects, demonstrating its expertise in various technical fields.

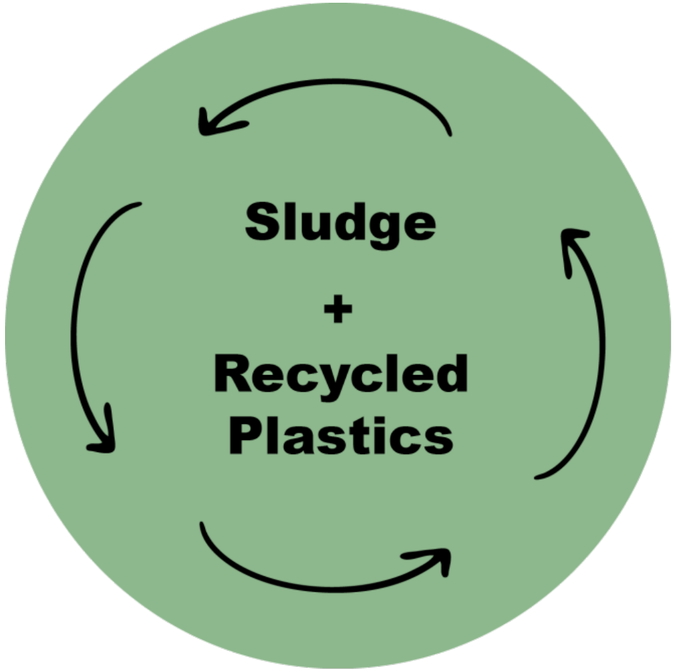
With a strong focus on research and development, SRTECH is dedicated to delivering cutting-edge solutions that drive progress and growth in the global market.

◎ History : Founded in 2019
◎ Location : Headquartered in Daegu, South Korea

02

Explanation of PLAAMENT

PLAAMENT



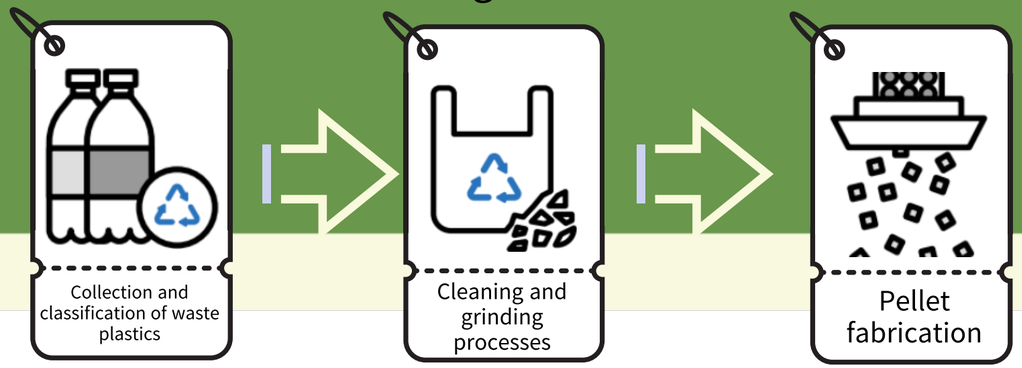
We made PLAAMENT with sludge, which is industrial waste, and waste plastic that is thrown away in everyday life.

Through resource circulation material development, we made a product that can save the environment of the Earth.
The characteristic of PLAAMENT is that you can adjust the sludge content to meet the desired physical properties.

A process chart

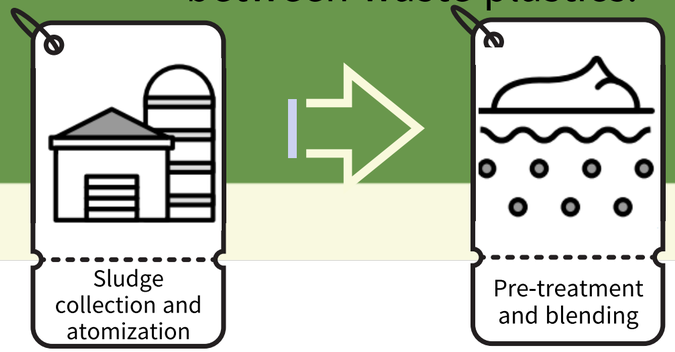
Waste Plastic Utilization Process

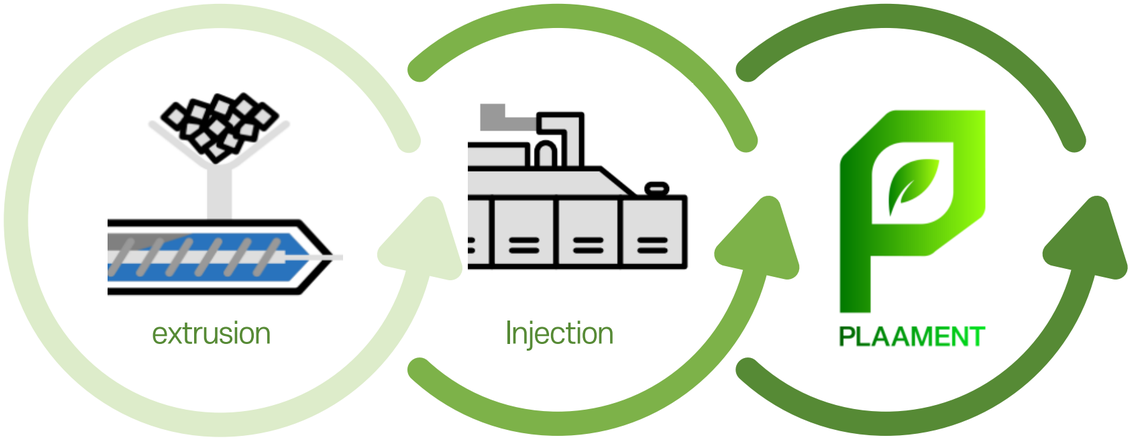
Recycled plastic pellets that will be used as PLAAMENT are collected, classified, washed, pulverized, and cut back into 5mm sizes through final melt extrusion.



Sludge Utilization Process

Sludge powder made from very fine particles through a stone grinder after removing impurities from the sludge is applied with SRTECH's own technology to achieve excellent miscibility between waste plastics.





PLAAMENT



Artificial lightweight aggregate



Assembly teaching tools / D.I.Y kits

We made artificial lightweight aggregates and assembly teaching tools using PLAAMENT. We can make PLAAMENT of various physical properties by adjusting the sludge content ratio.

Due to the characteristics of plastic, molding is free, so it can be manufactured in any form.

Therefore, it can be used in various industries.

PLAAMENT



Since it is made based on waste resources, if you use PLAAMENT, you can have an eco-friendly corporate image.

Also, it is a suitable material for pursuing ESG management.

Artificial lightweight aggregates



Existing lightweight aggregate

- 1200 degree firing requires a lot of energy costs
- Expensive large facilities are required
- Defective phenomenon of concrete filling due to uneven particle size distribution
- Increased moisture content due to numerous internal voids shaped for lightweight characteristics
- Causes of deterioration of final concrete properties

Differentiation

- Relatively inexpensive facilities compared to Rotary Kilton facilities
- Carbon reduction effect by manufacturing at a relatively low temperature of around 200 degrees Celsius
- Production of high strength artificial lightweight aggregate
- Reduction of moisture rate by utilizing air gap control technology in aggregate according to crystallization speed difference
- Artificial lightweight aggregate emphasizing lightweight properties, physical durability, and chemical stability exhibits excellent concrete properties.

PLAAMENT artificial lightweight aggregate



Contact us

"Return to the root" is our slogan.
We are moving forward with a clear goal of improving the environment, not for the sake of box office.
Our products will be a good solution for companies pursuing ESG management.

Please review whether our PLAAMENT can be used in your company's products.
Thank you for considering our proposal.
We would be happy to provide additional information and answer any questions you may have about using PLAAMENT in your manufacturing processes.

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THANK YOU