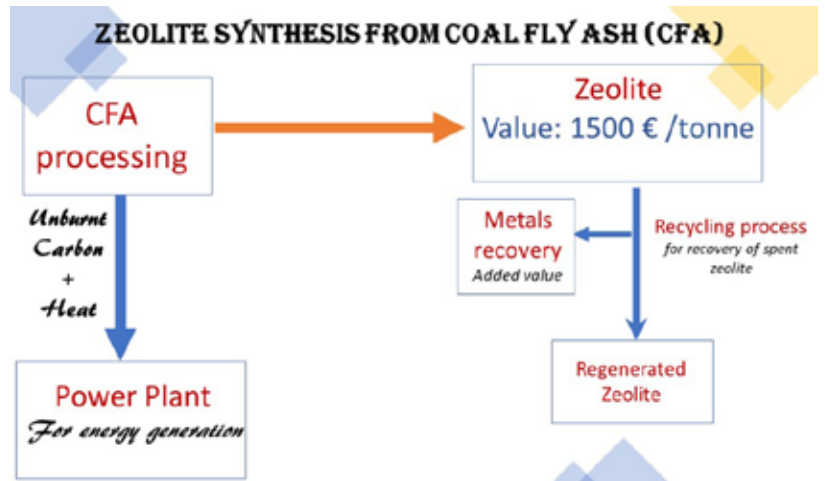


RENOTECH ZEOLITE

- High value application from coal fly ash (CFA)
- Innovative approach towards circular economy
- Waste to value concept (ash to cash)
- Eco-friendly with zero waste



Our Zeolite technology is a process for producing zeolites suitable for industrial separation processes developed from CFA. This is an example of value addition to a waste product, a product of high value was developed at low cost. Expensive chemicals such as structure directing agents were avoided; low temperature process with minimal time consumption. Product can be regenerated i.e zero waste; unburnt carbon and heat can be used for energy generation.

This is an innovative approach to the production of high value materials from waste. High market value products with minimal investment and zero waste produced with an eco-friendly technique.

Materials

Coal Fly Ash and inexpensive chemicals, zero structure directing agents (chemicals)

Applications

Wastewater industry, industrial purification processes

Our Zeolite Product

Products have spherical shape, high surface area (5 -6 times higher than the average value of commercial zeolites) and narrow pore size distribution. Product is market-ready. Technology is readily deployed with high rate of reproducibility even at industrial scales.

CFA Zeolite with small crystal size →

