



**ENEL**  
**Futur-e Project**

**BUSINESS MODEL: Resource recovery**

**SITUATION**

- Until a few years ago, the energy necessary to supply power to Italy was produced by a small number of large power plants. Today, smaller plants throughout the country, working with renewable and conventional sources, are shaping a new, more balanced generation model, in which clean energy plays an increasingly relevant part.
- Large and efficient power plants continue to be essential for meeting the country's energy needs and ensuring a safe energy system, but the production capacity of Italian thermal power plants is clearly exceeding the demand.

**CHALLENGE**

- Dismiss 23 old thermal plants in Italy (around 13 GW), giving a strong contribution to decarbonization but at the same time upcycling the sites to benefit local communities and stakeholders while preserving the environment.

**SOLUTION**

- Enel started the Futur-e project, managing the 23 plants as a single portfolio in order to maximize visibility and synergies.
- Enel performed analysis of local areas potential, shared and discussed with local communities and launched tenders for ideas and projects.

**KEY BENEFITS**

- End-of-life plants are being converted into new opportunities for business, in some cases directly owned by Enel, in other cases, by through selling to other operators.
- New partnerships and collaborations are being developed.
- Local communities are benefiting from new opportunities for employment.
- 100% fully recyclable, Niaga machines use up to 90% less energy than mainstream lamination processes, and do not use water.
- Enel in all tendering, favored circular projects to increase the sustainability of its approach.

Link: <https://www.enel.it/en/futur-e/>