

Eco industrial park

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Liffey



Infrastructure:

- New buildings from sustainable timber
- Low energy technology
- Pollution reducing flora and fauna
- Good insulation levels

People:

- Consumers needs me
- Employees educated on ecology
- Partnerships encouraged

Transport Systems:

- Trucks and buses running on biogas
- PV power fork lifts

Energy Systems:

- Biomass to biogas
- Photovoltaic
- Wind power
- Reuse of waste heat

Secondary Service:

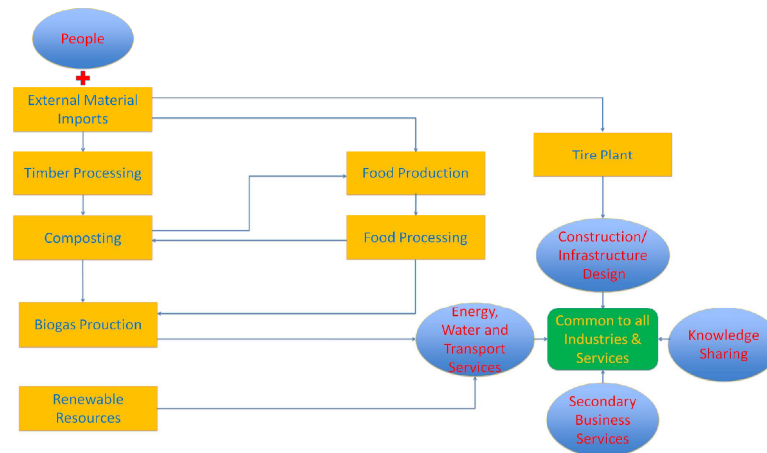
- Shops and restaurants
- Gym and other recreation
- Research &Development/Training
- Sustainability consultants

Raw Materials:

- From ethical supply chain
- Where possible use local suppliers

Recycling:

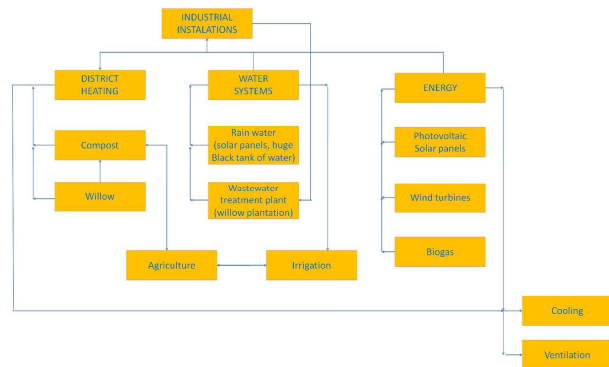
- Main goal is reuse of by-products
- Mutually beneficial change of waste
- General recycling



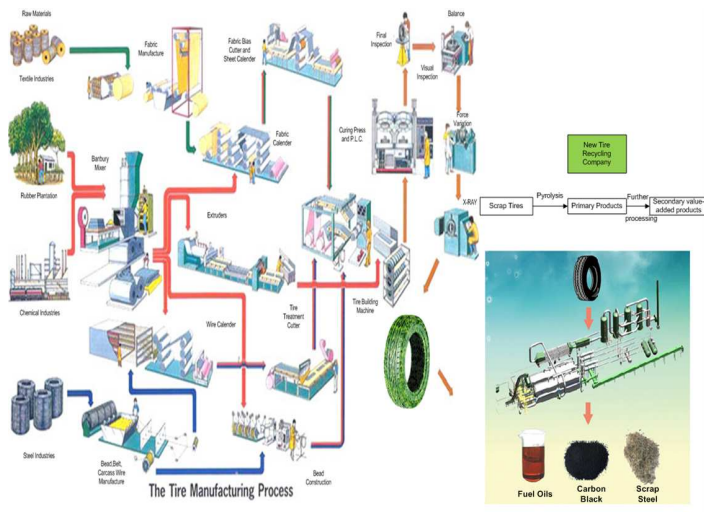
Definition of an Eco Park

Eco-industrial parks pay attention to material and energy exchanges between companies in local and regional economies. It concentrates on closing the loop of materials and enhancing energy cascading in industrial areas. Close synonyms for eco-industrial park are e.g. industrial ecosystem, industrial symbiosis, eco-industrial estate, eco-industrial network, eco-industrial development. Eco-industrial parks can also be seen as a form of symbiotic industrial relationships. The environmental impact is reduced at a regional level, not only separately in individual companies. Industrial symbiosis engages traditionally separate industries in a collective approach to a competitive advantage involving a physical exchange of materials, energy, water and by-products.

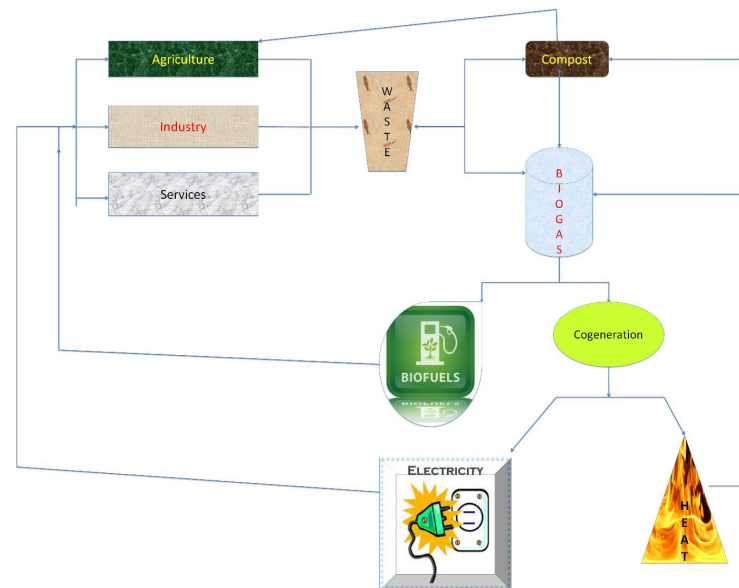
Industrial Energy Flow



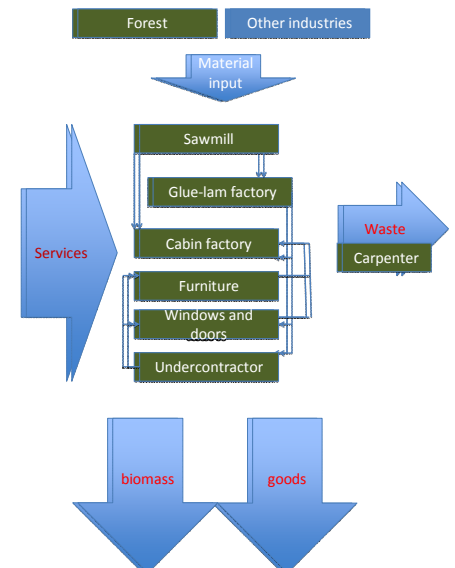
Tire Company



Agri-Biogas System



Timber Industry



Sample Eco-industrial parks in the Europe:

- Crewe Green Business Park, UK
- Ökopark Hartberg, Austria
- ValuePark_ Schkopau, Germany

