

Industrial Symbiosis

What is Industrial Symbiosis? A network of processes between companies in which the waste from one industrial process becomes raw material for another

Environmental Benefits

- Reduce raw material and waste disposal costs
- Earn new revenue from byproducts
- Divert waste from landfill and reduce carbon emissions
- Create new jobs and business opportunities

Circular Economy

In the natural world, everything is reused and nothing is waste. When things die, they decompose and their energy is returned to the system. In most production lines today, byproducts are not used and go to waste. Industrial Symbiosis aims to eliminate waste and create a system that is beneficial to both companies and the environment.

Industrial Symbiosis in Israel

Neot Hovav Eco-Industrial Park

The park contains 21 factories and industrial facilities with a pipeline system that allows for conveyance of gas and vapor between factories. **Industrial Symbiosis Tender**, initiated by the Ministry of Economics and Industry

Kalundborg Symbiosis

A collaboration between 9 public and private companies to buy and sell over 30 byproducts in a closed cycle of industrial production. The creation of this collaboration was driven by resource scarcity and economic benefits. [Source](#)

British Sugar Factory at Wisington

This factory takes in 3.5 million tons of raw material yearly and only sends 100 tons of waste to landfill. By products are used in the production of 12 different products. These include: soil, stones, lime, energy, betamine, CO₂, yeast, and tomatoes. [Source](#)

