

Kalundborg Symbiosis — The World's First Industrial Symbiosis Network

City Innovation Library · Good practice · Denmark

Quality score: 76/100

Evidence strength: Descriptive / self-reported

Summary

In the small Danish port town of Kalundborg, a refinery, power plant, gypsum-board maker and biotech firms have traded waste heat, steam, water and biomass since 1972, now saving the partner companies roughly 4 million m³ of groundwater and 586,000 tonnes of CO₂ a year — a market

Key dimensions

Dimension	Score
Evidence of impact / measured results	3/3
Transferability / demonstrated replication	2/3
Scalability	2/3
Sustainability / continuity	3/3
Innovation	2/3
Inclusiveness / equity	1/3
Multi-stakeholder collaboration	3/3

Evaluated by C-NAPSE

Data sources

[C-NAPSE web research](#) — accessed 2026-08-07

[Kalundborg Symbiosis \(partnership of resident companies, coordinated with Kalundborg Municipality\)](#) — accessed 2026-08-07

[Kalundborg Symbiosis — official site](#) — accessed 2026-08-07

[Euronews — original seven-partner figures, 2015](#) — accessed 2026-08-07

[European Circular Economy Stakeholder Platform \(EU\)](#) — accessed 2026-08-07

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