

## The Sustainable City – a Swedish Partnership Initiative

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### the concept

**The Sustainable City** is a Swedish initiative with a holistic concept for a sustainable development of cities and communities – in economic, social, ecological and spatial dimensions.

The Sustainable City concept was developed by SWECO for the 2002 World Summit of Sustainable Development in Johannesburg on behalf of the Swedish Government through the Ministry for Foreign Affairs, the Ministry of the Environment and the Swedish environmental technology industry by way of the Swedish Trade Council.

### working method and toolbox

**The SWECO concept** consists of a working method for sustainability reviews based on open, creative and constructive communication and cooperation between decision-makers, experts and the public. **Important steps** include diagnosis of the current situation, specification of key issues and objectives, impact analyses and selection of strategies. **A number of tools** are used to facilitate this process, such as SWOT-analysis, scenario-techniques, back casting and SEA.

### eco-cycle model

In a Sustainable City, the use of **renewable resources** is emphasized, **resource consumption** is minimized and resources are managed in a way that maximizes **recovery and reuse**.

New system solutions provide scope for **synergies** between sewage, waste and energy production and enable **coordination** with efficient land use, landscape planning and transport systems. This is illustrated by the **ecocycle model** which is essential for a definitive shift from linear to circular resource flows.

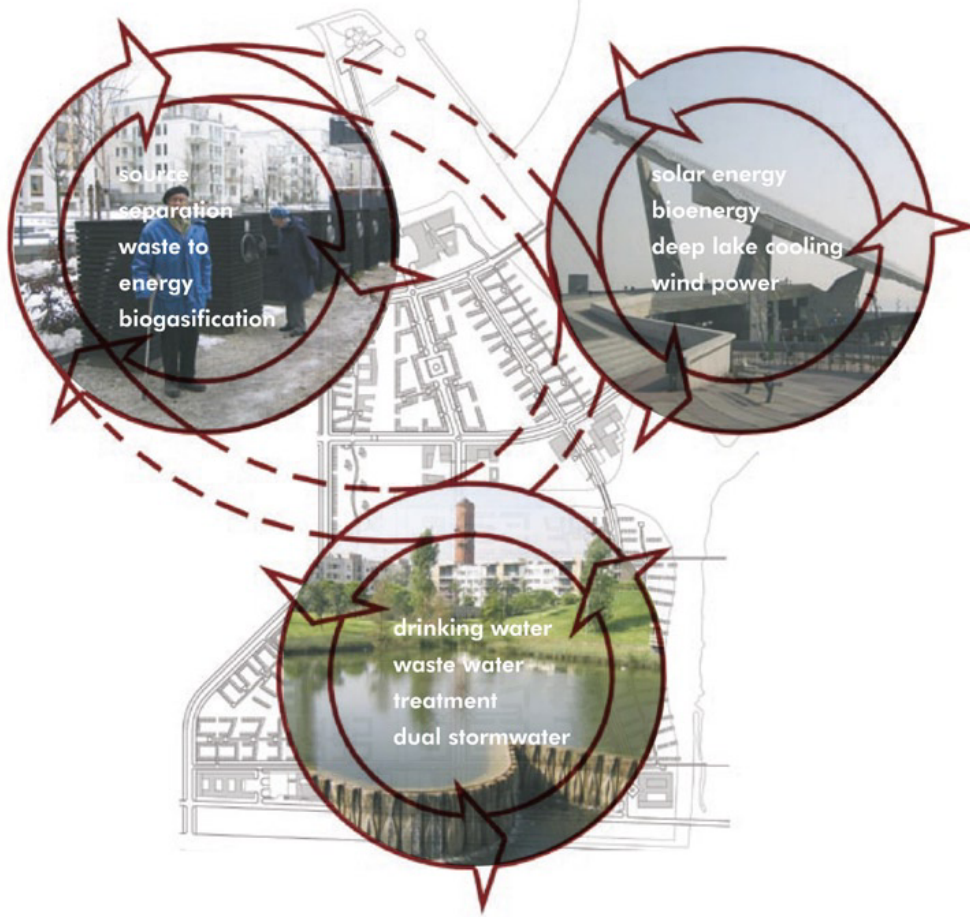
### new and existing urban areas

The concept is applicable in planning of new cities and towns where there is a “window of opportunity” to **reduce energy demand** by up to 75% and achieve an energy supply based on **renewables**. In addition, the concept can be used to develop strategies for successive realignment of existing urban areas in a sustainable direction.

Applications include cities in Sweden, South Africa, Canada, China, Russia and Ireland. Further information: [www.sweco.se/suci](http://www.sweco.se/suci) and [www.swedentech.com](http://www.swedentech.com)

WASTE LOOP

RENEWABLE ENERGY LOOP



WATER LOOP

