



The combined and interconnected wastewater plant Amsterdam-West (left) and the waste to energy plant (right) in the western harbour area in Amsterdam

Integrated solutions for water and energy in a sustainable metropolis

Climate change, growth of the world population, shortage of raw materials and fast-growing cities lead worldwide to the necessity of changing our behaviour towards water, energy and waste materials: use less, and recycle more on a high level quality. A circular approach contributes to a green economy and asks for integrated solutions. The level of metropolis appears to be the right scale for this, offering profits for the environment, liveability and the economy.

The Amsterdam metropolis is a good example of a city with an integrated approach of water, energy and waste management. The cooperation between Waternet as watercycle company and the City of Amsterdam Waste to Energy company (AEB) is unique in the world.

Waternet is the water utility of the City of Amsterdam and the regional public water authority Amstel, Gooi and Vecht (AGV) and is responsible for the drinking water supply, sewerage, wastewater treatment, water quality and quantity management and for water safety.

AEB is a public utility company that operates as an independent business, but is an integral part of the

municipal organisation of the City of Amsterdam. AEB generates energy from municipal solid waste by incineration, producing electricity and heat for district heating and making good use of residues.

Working together and putting together the abilities of both companies results in significant cost-reduction, increased production of energy, heat and raw materials and contributes to the ambition of Amsterdam to develop further as a sustainable metropolis. Inspired by this specific example of Amsterdam, we also see good opportunities for other metropolises in the world for integrated solutions.

World Waternet shares knowledge regarding drinking water, waste water and water management internationally, with a focus on developing countries. World Waternet aims at improving the performance and at strengthening the organisation of (principally) public water companies and local governments. World Waternet takes advantage of the knowledge and experience of its sister company Waternet and also of AEB, which is participating in projects of World Waternet.

Are you – just as we are – interested in developing and realising green metropolitan solutions? Please contact us: greenmetropolitansolutions@waternet.nl