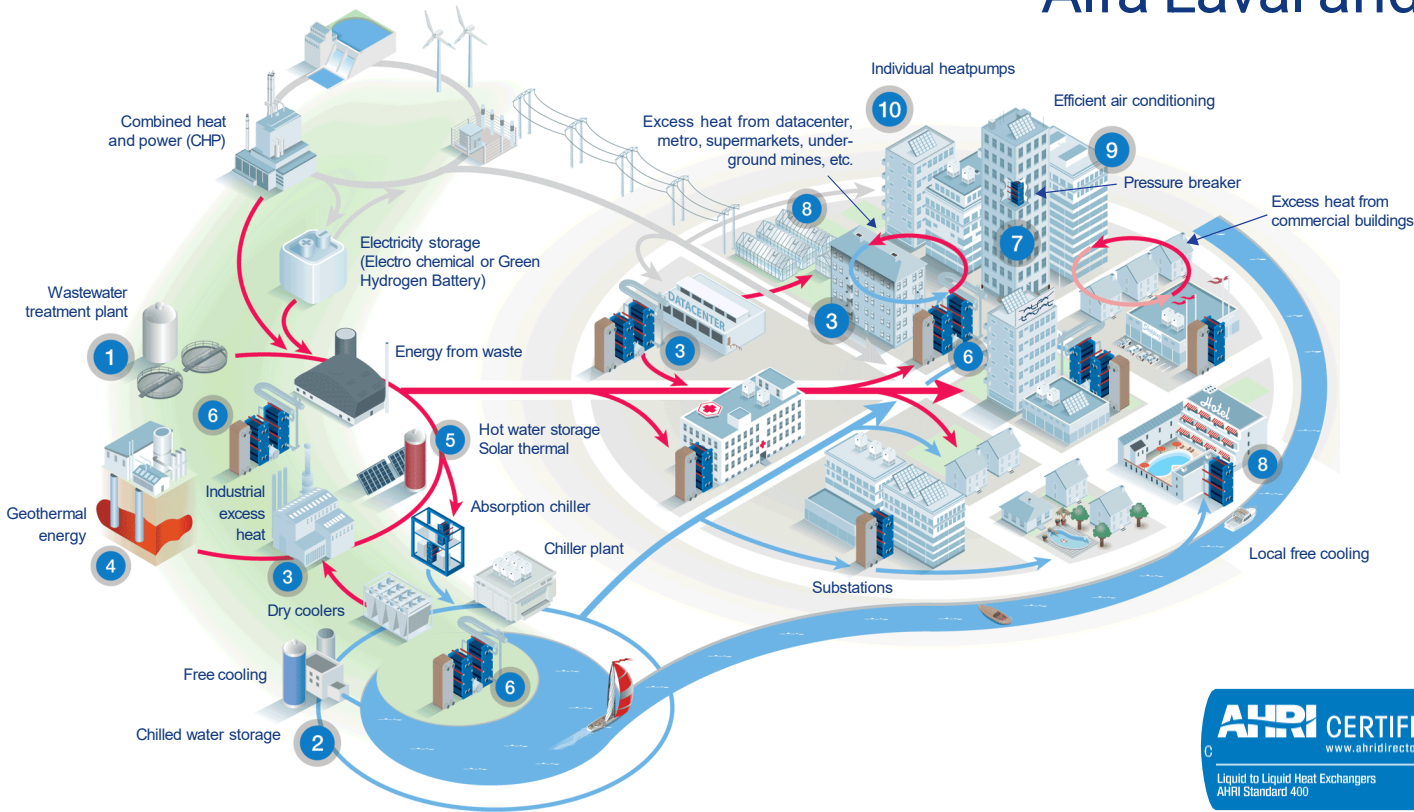


# Alfa Laval and the Sustainable City



## Energy efficient buildings

### 7. Energy efficient buildings

Planning a building's heating or cooling system is a complex task. Alfa Laval offers a comprehensive range of high-quality heat exchangers and extensive experience gained from numerous completed projects worldwide. [>>Learn more](#)

### 8. Heat-efficient solutions for swimming pools, spas & saunas and greenhouses

Alfa Laval provides energy-saving, compact plate heat exchangers that can maintain a near-constant year-round water temperature in swimming pools and create value from low-temperature waste for greenhouse heating. [>>Learn more](#)

### 9. Efficient air conditioning

Regarding air conditioning, energy efficiency, together with requirements for new refrigerants with low GWP (Global Warming Potential), is essential. Alfa Laval is working closely with customers to accelerate the development and be able to offer plate heat exchangers that are designed to meet the new application regulations. [>>Learn more](#)

### 10. Residential heat pumps

Every year, Alfa Laval supplies hundreds of thousands of high-performance, premium/quality heat exchangers to the heat pump market. The heating world is undergoing a dramatic transformation with increasing demand for heat exchangers optimized for use with heat pumps, including Alfa Laval's latest innovation. [>>Learn more](#)

## Flexible and efficient energy systems

### 1. District heating

Heat exchangers are one of the core components in district heating systems. Alfa Laval has been highly engaged in providing the best heat exchangers to this industry since the very beginning. Our long experience allows us to provide unique application knowledge. [>>Learn more](#)

### 2. District cooling

Alfa Laval has been the front runner in developing plate heat exchangers suitable for demanding conditions in district cooling installations. Our heat exchangers are used all around the globe to provide cost-efficient, energy-efficient and comfortable cooling. [>>Learn more](#)

## Fossil free energy sources and heat recovery

### 3. Waste heat recovery

Waste heat recovery and using industrial and urban excess heat are vital for sustainable comfort heating. Alfa Laval works with customers in a wide range of industries on solutions for using waste heat in new, productive and profitable ways. Our technology also makes it possible to reuse low-temperature heat using heat pumps. [>>Learn more](#)

### 4. Geothermal heating

Geothermal heating uses the energy from the interior of the earth. It is environmentally friendly as it enables a reduction in fossil fuel combustion. Alfa Laval has the application knowledge and technology to efficiently integrate this source of renewable energy into district or community heating networks. [>>Learn more](#)

### 5. Solar thermal heating

Solar heating and concentrated solar power (CSP) coupled with thermal storage can help secure future energy supplies and deliver fresh water and heat for various uses. Alfa Laval offers state-of-the-art technologies that are key to the supply of solar power, fresh water and heat. [>>Learn more](#)

### 6. Industrial heat pumps

Heat pumps are designed to produce carbon-free heat from a low-temperature heat source and convert it to high-worth heat that can be used for heating systems for households or process industries. Alfa Laval plate heat exchangers are the perfect match for industrial heat pumps to enable carbon-free heat. [>> Learn more](#)

