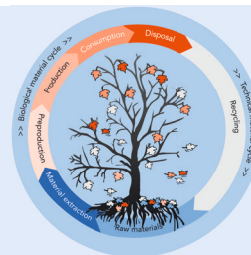


## Material Flow Management



Water  
Environment  
Civil Engineering  
Informatics  
Energy  
Architecture

Demographic change, global warming, and scarcity of resources – the material flow and energy experts at Björnsen Consulting Engineers support you, not in confronting these challenges under pressure but rather in understanding them as an opportunity.

In building and equipment technology, waste management, and water supply and disposal, we help to cleverly steer material flows and reduce energy demand and rational energy use. With our forward-thinking ideas, we tap new and valuable resources for you in order to isolate and recover valuable resources and nutrients from biodegradable waste and domestic wastewater.

Together with reliable partners from research and industry, we launch concepts that relieve the burden on urban water disposal systems and improve the buffer capacity during heavy rains. We have taken on the reduction of heat islands: With a multifunctional facade module that is currently in the development phase, not only will the urban space be cooled but energy will simultaneously also be gained from photovoltaics.

In addition to formulating ideas and developing concepts, we advise you on the implementation, assist you in carrying out studies of potential, and acquire funding. We conduct feasibility studies and work out process concepts that are tailored to your needs.

With Björnsen Consulting Engineers' broad portfolio and a host of experts in waste disposal, urban water management, wastewater treatment,

drinking water treatment, energy technology, site contamination and soil protection issues, we are a strong and efficient team with a wealth of experience.

### Services

- Potential analyses
- Feasibility studies
- Site analyses
- Concept development
- Advice on funding
- Research and development
- Energy audits
- Energy concepts
- Building simulations
- Integration of pilot applications