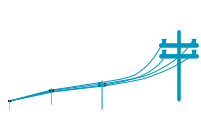


SMART FARMING



vertical farming, facade greening, urban farming

SMART ENERGY SYSTEM



smart grids



smart storage

Climate and Energy Goals of the European Council

for 2030 ... compared to 1990

- reduce greenhouse gas emission to **40%**
- reduce energy consumption to **27%**
- increase renewable energy share to **27%**

Technologies for Smart Cities

SMART MANUFACTURING



zero emission production +industry 4.0

SMART BUILDING



refurbishment to plus-energy standard; thermal energy storage



temperature



electric appliances



PV-facade

controlled from remote!



SMART GOVERNANCE



community building & new forms of information sharing

SMART SERVICES



open data & e-government



crowd funding & new business models

SMART MOBILITY



e-car sharing



bike sharing



public transport



everything within easy reach



smart logistics

SMART ENERGY



solar energy



wind energy



hydro power



biogas



geothermal energy

SMART SENSORS



reduce energy consumption



temperature & weather

SMART WASTE



sustainable separation & disposal



urban mining & re-use