

## 1. Energy efficient buildings

1. Building automation: monitoring, sensors, control and visualisation
2. Sustainable urban and public spaces
3. Energy-efficient design and simulation engineering
4. Energy storage, transport, supply e.g. renewable energies
5. Heating, ventilation and air conditioning
6. Smart Lighting and Illumination
7. Green construction materials and systems
8. Efficient water management
9. Energy efficient retrofitting of (historical) buildings
10. Sustainable building envelopes and facades
11. Other (energy efficient buildings)

## 2. Green cars and mobility

1. Design of advanced vehicles (e.g. electrical) and mobility concepts
2. Traction / propulsion systems e.g. compressed air
3. ICT for the hybrid and electric vehicle
4. Fuel technology, alternative biofuels
5. Smart storage and conversion of energy e.g. Fuel Cell
6. Optimised thermal engine development and integration
7. Co-modality, intermodal and links to public transport
8. Infrastructures for green cars and mobility
9. Weight reduced materials e.g. foam
10. Others (green cars and mobility)

## 3. Factory of the Future

1. Flexible manufacturing automation
2. Energy efficiency and waste heat optimisation
3. Low and Zero emission processes
4. Adaptive Man-Machinery Interface
5. Advanced monitoring and control systems
6. Safe production e.g. nano
7. ICT for agile and environmentally friendly manufacturing e.g. sensors
8. Eco Design and tools for product lifecycle management
9. Virtual enterprises and digital manufacturing
10. Global supply chain, trans- and cross-sectoral production
11. Other (factory of the future)