



**Monitoring and Data Analysis**

**Decision Support and Optimal Control**

Management & Tools

Technology

F-ECOMATION information exchange layer

F-ECOMATION distributed sensors network

Standard & new related F-ECOMATION data

Factory-ECOMATION dynamic optimization

Long term

- Factory planning
- Production Scheduling
- Shop-Floor Coord.
- Adaptive Control

Real time

F-ECOMATION Planning & Control actions



- material/resources
- inbound info
- energy

- products
- outbound info
- process emissions

- F-ECOMATION energy harvesting techs
- F-ECOMATION low emissions techs
- F-ECOMATION eco-optimized Machine

**Advanced Sustainability Equipment**