

Eco-Products [Hitachi Eco-Products]

Throughout the product lifecycle from manufacturing materials, production, and customer use to final disposal, we work to reduce the impact of products on the environment.

Hitachi Eco-Products for fiscal 2010

The new Hitachi Eco-Products registered by our group for fiscal 2010 totaled 36 models and four services.

HD head separation camera for the industry [HV-HD201]

- ① CO₂ emission
Material and product manufacturing: 65% down
Use (annual): 67% down
- ② New resource level: 85% down
- ③ Power consumption: 67% down
- ④ Resource factor: 497
(compared with DK-H2 marketed in 1996)



Three-step collinear antenna*2 [VCL3-3602A]

- ① CO₂ emission
Material and product manufacturing: 35% down
- ② New resource level: 72% down
- ③ Resource factor: 10
(compared with VCL3-4510 system marketed in 1991)

Batch thermal process equipment [DD/DJ-1236V*-DH]

- ① CO₂ emission
Use (annual): 14% down
- ② New resource level: 17% down
- ③ Power consumption: 14% down
- ④ Resource factor: 74
(compared with DJ-1223V marketed in 2000)



Resistivity test system [VR250]

- ① CO₂ emission
Material and product manufacturing: 4% down
Use (annual): 19% down
- ② New resource level: 38% down
- ③ Power consumption: 19% down
- ④ Resource factor: 12
(compared with VR200 system marketed in 2003)



News center video server and NC archive system [B008673]

- ① CO₂ emission
Material and product manufacturing: 95% down
Use (annual): 97% down
- ② New resource level: 99% down
- ③ Power consumption: 95% down
- ④ Resource factor: 766
(compared with B31F241000 system marketed in 2000*1)



PTZ network camera [VR250]

- ① CO₂ emission
Material and product manufacturing: 59% down
Use (annual): 17% down
- ② New resource level: 50% down
- ③ Power consumption: 17% down
- ④ Resource factor: 13
(compared with HC-IP350 system marketed in 2006)



Expanding Design for Environment (DfE) Assessment

DfE Assessment is intended to expand the scope of assessment from fiscal 2008 to fiscal 2010, resulting in a total of nine assessments.

The assessment added in fiscal 2010 is production by commissioning or contract.

Eco-friendly Design Assessment Guideline

Assessment scope	Models and services to be evaluated	LCA*3 evaluation
1. Eco-friendly Design Assessment Guideline Ver. 4	Products consisting mainly of hardware	Applicable
2. Eco-friendly Design Assessment Guideline Ver. 2	Products consisting mainly of software	N/A
3. Engineering (in maintenance, etc.)	Maintenance, periodic servicing, cleaning, etc.	N/A
4. Physical distribution	Transportation	N/A
5. Construction (installation)	Installation, setup, moving, etc.	N/A
6. Repairs	Repairs	N/A
7. Sales	Tasks consisting only of product trading	N/A
8. Software	Software not including hardware	N/A
9. Production by commissioning or contract	Assessment of production by commissioning or contract	N/A

Super Eco-Products

The Hitachi Group assumes that the condition for Super Eco-Products is that either the global warming prevention factor or the resource factor should be 10 or more. Among the eco-friendly products registered by our group in fiscal 2010, Super Eco-Products accounted for 15 of the total number. The evaluation of Super Eco-Products was completed in fiscal 2010, and fiscal 2011 will see that of Eco-Products Select with stricter judgment criteria.

*1: Since the scope of systems differs, operations on the same workload are compared.

*2: Colinear antenna: An antenna consisting of half-wavelength coaxial lines arranged linearly with internal conductors and external ones connected one after the other.

*3: Life Cycle Assessment (LCA): A technique consisting of quantitatively monitoring input resources, energy, and emissions on the entire product lifecycle ranging from manufacturing materials and production to use, disposal and recycling.