Green Go IT

WHAT

What is Green IT?

Green IT is the key to low-carbon green growth!

'Green IT' is a term made up of 'green' meaning the environment and 'information technology (IT)'. It refers to the transition to a low-carbon society by reducing energy consumption in various IT devices (Green of IT) and using them in an eco-friendly way (Green by IT).

The shortcut to a green society is to practice it in daily life!

The increase in the use of IT devices has led to the increase of power consumption resulting in higher carbon emissions therefore becoming a critical social issue. Since the information devices that we use in our daily lives, such as PCs, monitors and printers take about 50 percent of the total IT power consumption, it is important to make it a habit to save energy in our everyday lives.

Practicing Green IT is the first step for green life!

Practicing 'Green IT' that is low-power and eco-friendly contributes not only to responding wisely to climate change caused by wasting natural resources but also to achieving low-carbon green growth.

BUY

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Choose eco-friendly IT products

- Check if the product you want to buy is certified as eco-friendly.

WEEE Mark   CE Mark   China RoHS   Korea Eco-Label

Check the certificate on energy efficiency

- Check if the product you want to buy is certified as energy-efficient.

Energy Star (International)   Energy Star (USA)   Energy Mark (China)   Energy Mark (Korea)

- Products that provide the 'Auto Sleep Mode' function saves 30~50% of the power consumed.

Check equipment for appropriate capacity

- Refrain from purchasing PCs of excessive capacity and choose low-power products instead.
- Replace old CRT monitors whit low-powers (LCD or LED) monitors.

Purchase multifunctional equipment over other options

- If possible, buy multifunctional equipment for functions such as photocopying, scanning and faxing.(This will save a maximum of 50% of space and 20% of energy.)
- Connect printers and scanners onto a network for sharing.

USE

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Turn off power when not in use

- Turn off the power of PCs that are not in use for more than one hour. (Standby power takes 10% of total power consumption.)
- Turn on the power of peripheral device such as printers, scanners and speakers only when you need to use them.
- Unplug PCs when you leave your office. (This will save 1.5U$ cent per hour)

Make a habit of using power sleep mode

- Remember to set the sleep mode in your PCs and peripheral devices like printers. (Sleep mode running in lunch time decreases the office temperature by 2~3° C.)
- Set the brightness of your monitors to around 70% and try not to use screensavers. (This will save maximum 40% of power)

Regularly delete unnecessary data in your PCs

- This will reduce search time and increase storage space.
- Deleting unnecessary data will save 336W of power per month.

Print in an eco-friendly way

- Save paper and reduce CO_2 emissions by printing multi-pages on one sheet and printing both sides of paper.
- Try not to print in color. (Color printing of an A4-sized page costs at least five times more than black and white printing.)

Use online e-government services

- Receiving files via email will save paper and reduce CO_2 emissions.
- Using online services will save time and cost for travel and reduce CO_2 emissions.

Clean your IT equipment regularly

- Cleaning the inside and outside of equipment increases cooling efficiency and further saves power as well as extends life.
- Leave at least 10cm space form the wall when placing equipment. The closer to the wall, ,the slower they run or even more likely to stop working.

Make your office paperless and use a video conferencing system

- Reduce paper consumption by using e-mail or electronic approval system.
- Minimize the use of vehicles by using telecommunication services such as tele presence. (video conference)

Check the amount of CO2 emissions from electric energy consumption

- Use software that automatically collects and manages the amount of carbon emissions from the use of devices by each person or department.
- Turn off the power of devices that are not in use or let their owners be aware and handle them.

Designate Green IT practitioners

- Green IT practitioners will check the status of 'Green IT' practices on weekly/monthly basis and share the results.
- They will provide new ideas on practicing 'Green IT' or information on eco-friendly products.

RECYCLE

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Recycle as many IT devices as possible

- Reuse them such as in data back-up and save resources instead of disposing of low-performing equipment.

- Recycle OS and system software licenses embedded in devices so as not to be discarded.

Donate used PCs

- Used PCs can be collected and donated after repair to the underserved population or underdeveloped countries.

- A nationwide collecting system of used PCs is required for convenient donation processes through telephone or the Internet.

Dispose of devices in an eco-friendly way

- Select usable parts and recycle them before discarding.

- Outsource the discarding process to specialized organizations for the eco-friendly discarding of equipment and urban mining. (0.6g of gold and 4g of silver can be extracted from a PC.)