Green IT: what is it and why is it in the spotlight?

What is green IT?
Green IT refers to a global movement in Information Technology to reduce the effects of technology consumption on productive chains and ecosystems.
The concept involves a set of more ecological practices, including **cloud storage**, improved energy consumption, modernization of equipment to increase its useful life, and efficient disposal policy.
In a broader context, green IT is part of a movement to raise awareness about the seriousness of climate change and the need to restructure production chains, from the extraction of raw materials to the disposal of materials, contributing to **a circular and regenerative economy**.

How do I turn my IT into a green IT?
Implementation does not automatically guarantee its green stamp: it is necessary to obtain international certification in a judicial process that demands frequent measurements.
To achieve green IT status, it must comply with ISO 14001, which determines an environmental management system's requirements. The standard is responsible for measuring the impact of several businesses on the environment.

Why you should pay attention to this
Over time, technological advances have always required a lot of resilience from terrestrial ecosystems. This goes from the era of big machines in industrial factories to computers, peripherals, and electronic components in the digital age.
The impact, of course, is different. But it is part of the current effort to combat climate change to implement even more bold measures to make up for the lost time.
A Gartner study from 2007 estimates that the IT industry was responsible for about 2% of carbon dioxide (CO_2) emissions into the atmosphere. As the main protagonist of these figures is the high energy consumption resulting from the equipment production process.
Technological progress helps us to discover solutions that also preserve the environment. But a data as evident as this is also a clear opportunity to reduce the technological footprint.
In addition, in the face of all the business world movement towards ESG criteria, adopting good sustainability practices in IT departments has become a strategic commitment for the entire organization.

What are the benefits of Green IT?
In addition to environmental ethics, there is an economic return from having sustainable management of your IT sector, making the strategy interesting for organizations of all types and sizes.
It is natural for companies with a more modest budget to have difficulty implementing green initiatives; after all, an initial investment is necessary. But as the actions are carried out, the gains in efficiency, productivity, and cost reduction are evident. This saving generates cash flow for new improvements.
That said, for smaller companies, consolidating these sustainable practices, even on a small and micro-scale, sets the stage for significant changes according to the development of these organizations.
Besides, having green IT gives companies strategic positioning, which shows the industry its ability to understand society's values. The "seal" also improves the reputation of the organization, which is always helpful to attract investors;

In summary, some of the advantages of Green IT are:
- Reduced and more intelligent energy consumption
- Increased space in the cloud by freeing space
- Reduced cost of the equipment with local servers
- Modernization of equipment and more extended maintenance periods
- Increase in performance and productivity
- Valuing the brand, image, and reputation

https://www.mjvinnovation.com/blog/green-it-what-is-it-and-why-is-it-in-the-spotlight/

VOCABULARY

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F R E E I N G S P A C E P I H G I B L N
N O I T A T N E M E L P M I H X X L I Q
U F Z O Z H J K C T R P W N H S E O E I
M Y B T D Z C O N S U M P T I O N D R X
E E G A T S E H T T E S X H W M K Q A S
M S T U O D E I R R A C X E W F O T I E
I R Y I Y U V T R B S A K S R U H C S R
T E K P S C T A A C C C I P O G C L E U
R S C V L M I B L N W V Y O F E S I A S
E I A E A R K L A U I U M T P I G M W A
V L U X I M B C O X I M L L U N G A A E
O I L P R B I N E P Ç N L I E V T T R M
V E X T E N D E D Z L Q G G K O N E E D
U N X Y T C G K P O A A P H A L O C N L
B C N K A K V T R L F Z S T M V Z H E O
V E T G M M L V F L E I F O U E S A S B
V S U Q W C M W T P L F Q Q P U J N S K
H M D H A M L E U O B T E R Q S B G N V
W T F L R O T N I N R U T E K K I E I D
A I R E T I R C G S E F C Ç Q F N D V A
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In the spotlight	_____	_Ténacité_
Consumption	_____	_rattraper / compenser_
Involve	_____	_gestion durable_
Ecological practices	_____	_critères environnementaux…_
Useful life	_____	_en mettant en valeur_
Disposal policy	_____	_mise en oeuvre_
Raise awareness	_____	_sous les projecteurs_
Climate change	_____	_au fil du temps_
Production chains	_____	_atteindre_
Raw materials	_____	_rallongé_
Regenerative economy	_____	_en libérant de l'espace_
Implementation	_____	_émissions de CO²_
Turn into	_____	_préparer le terrain_
Comply with	_____	_consommation_
Achieve	_____	_impliquer_
Overtime	_____	_pratiques écologiques_
Resilience	_____	_durée de vie utile_
Bold measures	_____	_politique de rejet_
Make up for	_____	_sensibiliser l'opinion_
Carbon dioxide emissions	_____	_changement climatique_
Technological footprint	_____	_chaines de production_
ESG criteria	_____	_matières premières_
Sustainable management	_____	_économie régénérative_
Set the stage	_____	_transformer_
Carried out	_____	_respecter / être conforme à_
Freeing space	_____	_mesures courageuses_
Extended	_____	_empreinte technologique_
Valuing	_____	_sont menées_

Right or Wrong
Say if the following statements are right or wrong and justify by quoting the text

1. Green IT is a local movement aimed at suppressing batteries from laptops

2. Reducing electricity consumption and cloud computing are good examples of what Greent IT is.

3. Green IT has no link with climate changes

4. There is no official certification allowing companies to know if they've reached the Green IT status

5. The IT industry is responsible for less that 5% of CO2 emissions

6. Technological progress allows to find efficient solutions to reduce technological footprint.

7. Sustainability has become part of companies' strategies

Answer the following questions

1. What new practices does green IT involve ?

2. What is ISO14001 ?

3. Describe the economic advantages generated by Green IT

4. What solutions could be imagined or put into practice to improve green IT ?