S2: Managing Disruptive Digital Technologies

The Promise and Pitfalls of Disruptive Digital Technologies

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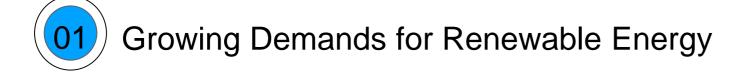Ministry of Transport, Communications & Information Technology

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Table of Contents

01 Growing Demands for Renewable Energy
...

02 Disruptive Technologies and Net-Zero
...

03 Clean Energy Affordability to Fuel Disruptive Technologies
...

Growing Demands for Renewable Energy

"A typical supercomputer consumes anywhere between 1 to 10 megawatts of power on average, which is equal to the electricity needs of almost 10,000 homes (a 2019 estimate). "

- Source: Business Insider

"We are in the middle of the first global energy crisis. In the 70s, it was the oil crisis. Now we have an oil crisis, a natural gas crisis, a coal crisis, with oil prices skyrocketing. Energy security is a priority for all governments"

*- Fatih Birol, Executive **Director of the** International Energy Agency (IEA)*

Disruptive Technologies and Net-Zero

Predictive technologies allows us to increase renewable energy adoption, lower costs and minimize timeframes by the development of leaner, more efficient design and operations.

Source: Akselos.com

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Clean Energy Affordability to Fuel Disruptive Technologies

- A global pathway to achieve Net-Zero CO_2 emissions by 2050.

- Renewable energy technologies for reducing emissions from electricity supply.

- More investment into recycled technologies is needed to make it a financially viable alternative for large scale manufacturers.

- Behavioral change focused on reducing excessive or wasteful energy use.

- Balance between digital innovation and ***minimalism***.

Thank You!

Do you have any questions?

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References:
https://www.iea.org/reports/net-zero-by-2050