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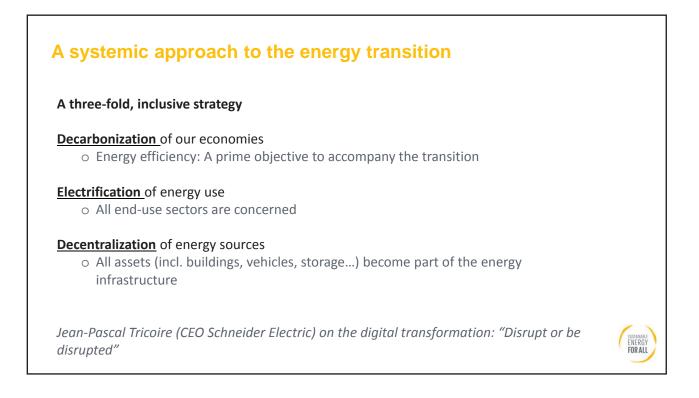
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The benefits of the digital transformation

The digital transformation in energy management and automation pays off

- Four key sectors: buildings, data centers (cooling, back-up), industry, and infrastructure
- Average return on investment or payback period: just 5.3 years; under one year for some projects (Schneider Electric)

Digitalization is essential to monitor the complexity and the flexibility of these <u>new</u> <u>systems</u>

- o Management of digitally-interconnected assets
- People's behavior and consumption habits
- o Market fluctuations

Digital technologies are key to support the deployment of decentralized assets

 Decentralized solutions (e.g. minigrids, stand-alone systems) are suitable to address remote populations (incl. in conflict areas)

Key challenges

Countries are often not prepared to embrace the underlying digital transition

- Insufficient energy policy and regulatory frameworks and enforcement
- o Hinders the deployment of efficient solutions and decentralized power capacity

Need to organize the data collection and processing

- o What data?
- Who is collecting data?
- Who is verifying data?
- o Role for national statistical organizations?

Need for new digital regulations

Develop skillsets to support the deployment of digital technologies

- o Dedicated capacity building programmes
- Private sector support

ENERGY FOR ALL

FOR ALL

