

The Renewable Energy Revolution: opportunities, challenges & perspectives



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An energy revolution is happening. Driven more by competitiveness rather than by a sudden awareness of climate change among policy makers, the growth of renewables is accelerating at a pace exceeding by far the most optimistic scenarios. However, what we are seeing is not just another technology adoption curve resulting from a Moore-like cost reduction. Since they bring together decentralization, digitalization and scalability, renewable energies are setting the scene for a radical and fundamental change of the electric system as we know it. As we face the two most daunting challenges of the 21st century (global warming and demographic explosion), the rise of renewable energy may well be our only chance to provide electricity access to all without resorting to more fossil fuels that we can afford to burn.

**Prologue by
Éric PHILIPPON**

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