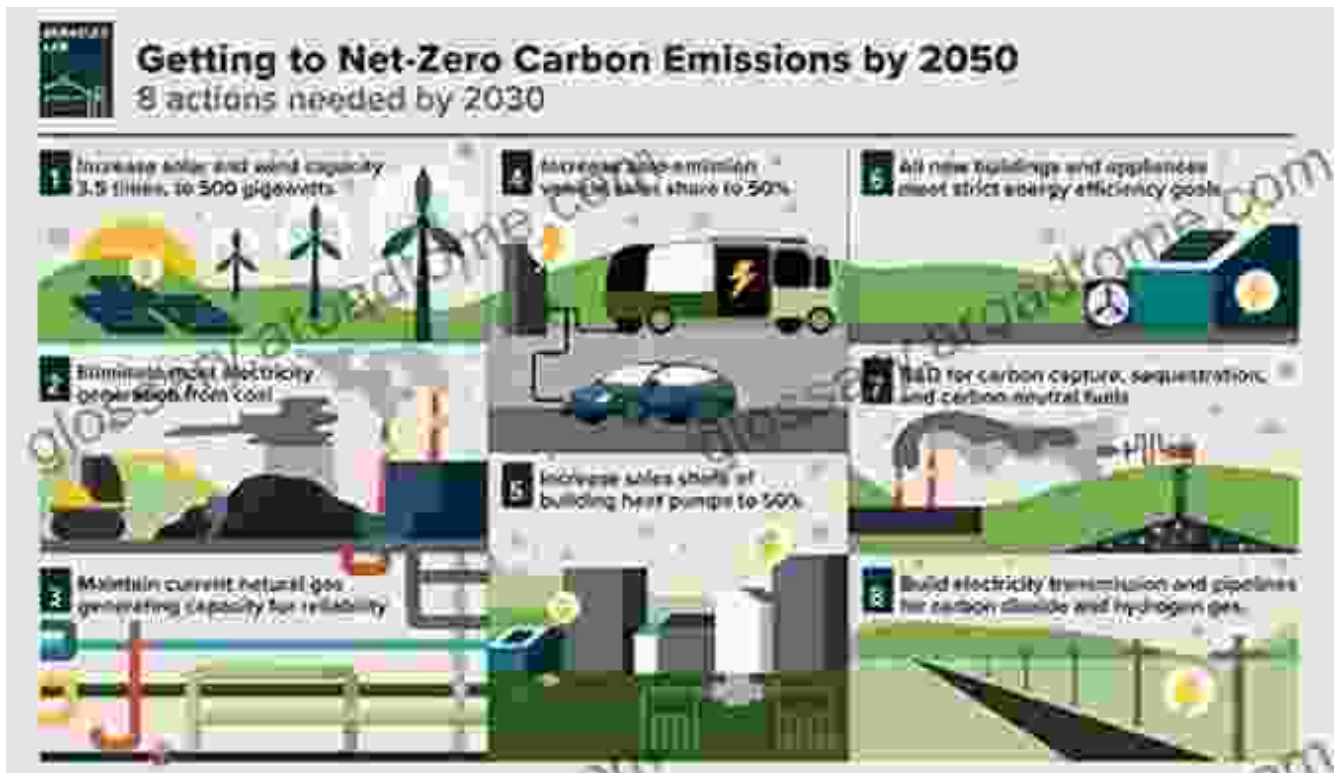


Towards a Low Emissions Future: Policy and Technological Pathways to Decarbonization

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Edited by:



A Careful Revolution: Towards a Low-Emissions Future (BWB Texts Book 75) by Gilles Pinay

★★★★★ 5 out of 5

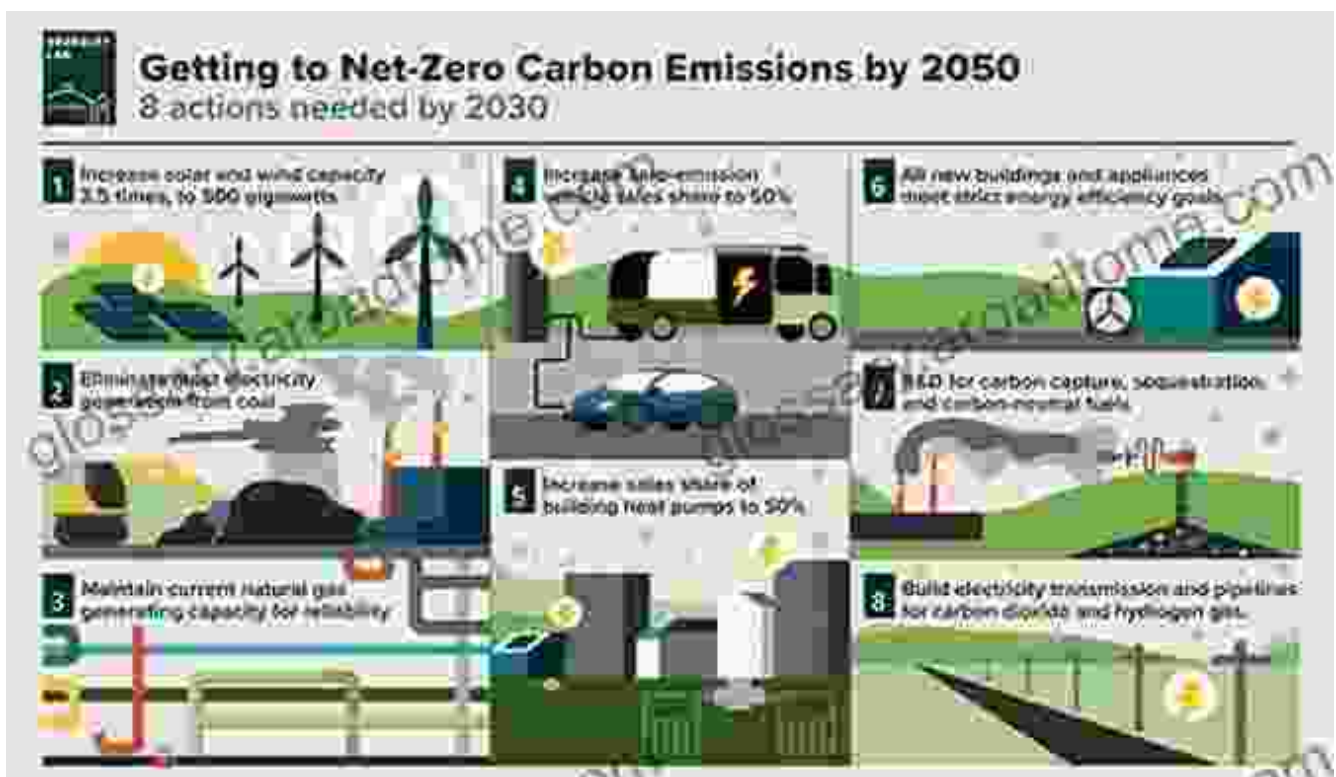
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- Jan W. Bode
- Eirik S. Amundsen
- Christian A. Blum
- Søren P. Jahr



This volume presents a state-of-the-art overview of policy and technological pathways for decarbonization in power, industry, transport, and buildings. It provides a detailed analysis of these sectors, including their current and future energy consumption and emissions, and the mitigation options available to reduce them.

The book is based on the results of the EU-funded research project LT-RESCUE (Low Temperature-RESources for Cleaner Use of Energy), which

was launched in 2015 and involved 18 partners from 9 countries. The project developed a range of innovative technologies and policy measures to decarbonize the global energy system, with a focus on low-temperature resources such as waste heat and renewable energy sources.

The book is divided into four sections:

1. **Power:** This section discusses the current and future of the power sector, including the challenges of decarbonizing electricity generation and the potential of renewable energy sources;
2. **Industry:** This section examines the decarbonization of industrial processes, including the use of energy-efficient technologies and the potential of carbon capture and storage;
3. **Transport:** This section explores the decarbonization of the transport sector, including the potential of electric vehicles and biofuels;
4. **Buildings:** This section discusses the decarbonization of buildings, including the use of energy-efficient technologies and the potential of renewable energy sources.

Each section provides a detailed analysis of the sector, including its current and future energy consumption and emissions, and the mitigation options available to reduce them. The book also discusses the policy and technological pathways that can be taken to achieve a low-emissions future.

This book is a valuable resource for policymakers, researchers, and other stakeholders involved in the fight against climate change. It provides a comprehensive overview of the challenges and opportunities of

decarbonization, and it offers a roadmap for achieving a low-emissions future.

Reviews

"This book is a timely and comprehensive contribution to the debate on how to decarbonize our economies. It provides a detailed analysis of the key sectors that need to be decarbonized, and it offers a roadmap for achieving a low-emissions future. I highly recommend this book to anyone interested in climate change and energy policy."

- Dr. Fatih Birol, Executive Director, International Energy Agency

"This book is a valuable resource for policymakers, researchers, and other stakeholders involved in the fight against climate change. It provides a comprehensive overview of the challenges and opportunities of decarbonization, and it offers a roadmap for achieving a low-emissions future."

**- Christiana Figueres, Executive Secretary, UN Framework Convention
on Climate Change**

"This book is a must-read for anyone who is serious about decarbonizing our economies. It provides a comprehensive overview of the key sectors that need to be decarbonized, and it offers a roadmap for achieving a low-emissions future."

**- Lord Nicholas Stern, Grantham Research Institute on Climate
Change and the Environment, London School of Economics and
Political Science**

Table of Contents

1. : Jan W. Bode, Eirik S. Amundsen, Christian A. Blum, and Søren P. Jahr
2. **Power**: Stefan Ulbrich, Aleksander Jørgensen, Martin Beer, and Andreas Blennow
3. **Industry**: Torgeir Nakken, Jerker Delsing, Yohan Blavier, and Annika Nilsson
4. **Transport**: Andreas Gussek, Steffen Kallert, Julius Kuehlwein, and Sofia Löfberg
5. **Buildings**: Ana Zucher, Arvind Mathur, Sara Norum, and Stefanos Mylonas
6. **Policy and Technological Pathways to Decarbonization**: Niki Akylas, Michael Hansson, Jan W. Bode, and Eirik S. Amundsen

About the Editors

Jan W. Bode is a senior researcher at the Norwegian Centre for Energy and



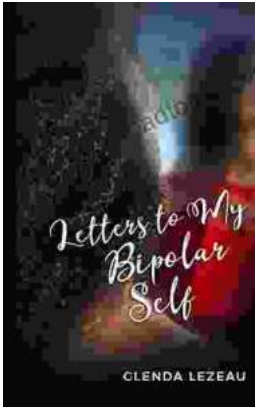
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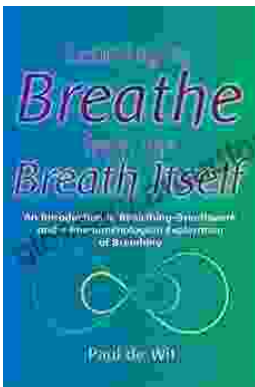
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