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Autore	Komarnicki Przemyslaw
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Altri autori (Persone)	KranholdMichael StyczynskiZbigniew A
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Nota di contenuto	Why Energy Transition -- Total Energy System (GES) -- European and Global Perspective of the Energy Transition.
Sommario/riassunto	This essential provides a compact overview of the genesis and the previous implementation steps of the energy transition and describes, in particular, the framework conditions of the changing energy system. Thus, the book is excellently suited as an introductory reading on the topic of the energy transition, which will also lead to the creation of a holistic overall energy system. Content - Genesis and design of the energy transition as a global technical-organizational task - Importance of the GES for the success of the energy transition - Components of the GES as the product of the energy transition - German and European perspective until 2050 Target Groups - Students

of all relevant disciplines (not just energy technology) - Planners and those interested in the technical-organizational design of the energy transition The Authors Prof. Dr.-Ing. WUST Prof. Przemyslaw Komarnicki is Head of Department at the Fraunhofer IFF in Magdeburg and Professor of Electrical Systems and Equipment at Magdeburg-Stendal University of Applied Sciences and at Politechnika Wroclawska, Poland. He is active in numerous professional associations. Dipl.-Ing. Michael Kranhold, MBA, is Head of Department and Authorized Officer at the transmission system operator 50Hertz Transmission GmbH in Berlin. He is active in numerous professional associations and holds a teaching position at Magdeburg-Stendal University of Applied Sciences. Univ.-Prof. Dr. Zbigniew A. Styczynski led the "Electrical Grids" chair at the Otto-von-Guericke University Magdeburg until his retirement. The translation was done with the help of artificial intelligence. A subsequent human revision was done primarily in terms of content. This book is a translation of an original German edition. The translation was done with the help of artificial intelligence (machine translation by the service DeepL.com). A subsequent human revision was done primarily in terms of content, so that the book will read stylistically differently from a conventional translation.