

Fuel cells in the waste-to-energy chain : distributed generation through non-conventional fuels and fuel cells

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Abstrak

Fuel cells in the waste-to-energy chain explores the concept of waste-to-energy through a 5 step process which reflects the stages during the transformation of refuse flows to a valuable commodity such as clean energy. By providing selected, integrated alternatives to the current centralized, wasteful, fossil-fuel based infrastructure, this book explores how the concept of waste-to-energy can be constructed and developed into a realistic solution. The entire spectrum of current and future energy problems is illuminated through the explanation of the operational, integration and marketing implications of high efficiency technological solutions using the real context of developed regions such as Europe. Up-to-date reviews are provided on the status of technology and demonstration, implementation and marketing perspectives.

The detailed technological information and insight gathered from over twenty years of experience in the field makes Fuel cells in the waste-to-energy chain a valuable resource for all engineers and researchers in the fields of energy supply systems and waste conversion, as well as providing a key reference for discussions by policy makers, marketing experts and industry developers working in energy supply and waste management.