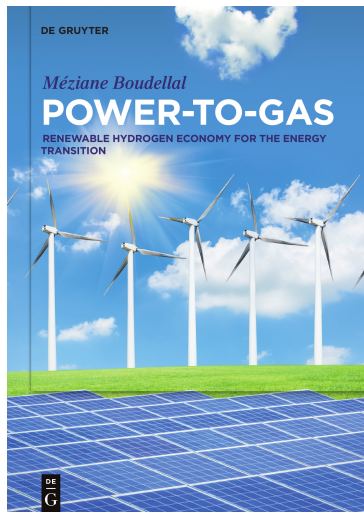


Power-to-Gas

RENEWABLE HYDROGEN ECONOMY FOR THE ENERGY TRANSITION



Dr. Méziane Boudellal holds a PhD in physical chemistry. He worked in Germany in the fields of electronics and in France in the automotive area. He is presently freelance for the French magazine Energie Plus.

With the development of renewable electricity and the expected important surpluses of production, how can the use of hydrogen improve the global energy efficiency? Power-to-Gas covers the production of hydrogen through electrolysis and its storage or conversion in another form (gas, chemicals or fuels).

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Main topics covered

- ✓ Global energy consumption and electricity of renewable origin
- ✓ Principle of Power-to-Gas and electrolysis
- ✓ Production and use of hydrogen or hydrogen-based fuels
- ✓ Beyond Power-to-Gas (Power-to-Heat, Power-to-Liquid)
- ✓ Power-to-Gas strategies and worldwide case studies
- ✓ Business models and integration into the energy transition

Published in French in 2016, this book is now available in English (degruyter.com). It has been revised and updated to take into account the latest developments.

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