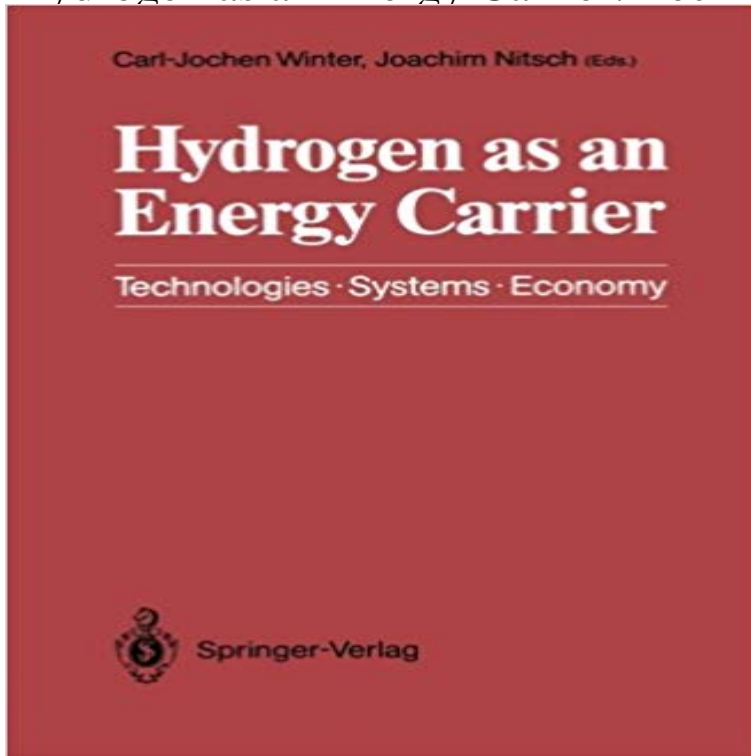


# Hydrogen as an Energy Carrier: Technologies, Systems, Economy



The technologies of hydrogens energetic utilization have been known for a long time. But aspects of system analysis, energy economics, and ecology that would come into play in introducing it into energy systems have received much less attention. For those reasons, this book attempts to show the development path of a hydrogen economy, based on assured technological knowledge. One special concern has been to demonstrate, on one hand, how these developments would fit into existing energy supply structures, and, on the other, how they would contribute to further development of the energy system as a whole. With that goal in mind it is necessary to contrast the obvious advantages of hydrogen with the large efforts that would be required for its introduction. This total-systems approach led to a three-part organization of the book that also aids the reader in quickly identifying those parts that are of special interest to him. Section A essentially explains why it is necessary today to think about a new synthetic energy carrier. It also describes the irreplaceable and growing role of hydrogen as a chemical raw material, and it explains technologies that already exist for its energetic use or that need further development. An attempt has also been made to prove that hydrogens safety characteristics indeed permit its handling and use as an energy carrier. Hopefully, all this will show that hydrogen, together with electricity, could be the universally employable energy carrier of a future non-fossil energy supply system.

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SWANSEA LEAVING CARE PRACTICAL INFORMATION FOR INDIVIDUALS LEAVING CARE

BAYS LEAVING CARE SERVICE

Opening Hours: Mon, Tues, Thurs 10.00am – 4pm Wed: 1pm – 4pm, and Fri 10.00am – 3.30pm Contact Details:  
Telephone: 01792 455105 Freephone: 0800521448 BEATS will: work with 16 – 21 year olds to help access training,

employment or work experience. help young people access courses, or volunteering opportunities. give practical support with [...]

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Lots of the topics covered in this website are part of independent living skills and you may be surprised by how much is involved in looking after yourself. You don't have to be completely on your own and if you are finding things difficult you should always have someone to turn to for help. This does not [...]

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## USEFUL DOCUMENTS

There are a number of documents that you will need to have as you live more independently. BIRTH CERTIFICATE You need your birth certificate as proof of identity and you will need it to get other documents such as a passport. Social Services may have a copy of your birth certificate that they are [...]

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## HEALTH

It is your social worker or young personal advisor's job to make sure you are registered with a doctor (also called GP) and a dentist. It is important not to leave registering with a GP until you need medical help. Keep the contact details for your doctor and out of hours contact number safe. DENTIST [...]

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## HOUSING

This is perhaps one of the biggest things you have to sort out as you leave care and this is why there is lots of help and support available for you. The options available in your area may affect your choice of when you want to leave care. Unfortunately quite a large number of care [...]

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## EDUCATION

SCHOOL You should already have a designated person in school who is there to help and support you. This could be a teacher or another person in the school. They are responsible for writing your Personal Educational Plan (PEP) and making sure everything happens. Your educational plan should help you to do the best [...]

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## SOCIAL SERVICES AND PATHWAY PLAN

While you have been looked after you will have known some people whose job it is to help and support you. All young people in care have a social worker. It is a good idea to keep their details readily available just in case you need to contact them. You may also want to note the [...]

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## RIGHTS, ENTITLEMENTS AND ADVOCACY

A right is a something that you can expect to receive. You don't have to earn it or win it. The rights and entitlements

listed below are things that the government has committed to provide for you as a care leaver. This might be because there is an Act of Parliament or because they have [...]

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