



Handbook of Small Modular Nuclear Reactors (Woodhead Publishing Series in Energy)

Mario D Carelli, Daniel T Ingersoll

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Small modular reactors (SMRs) are an advanced, safe type of nuclear reactor technology that are suitable for small and medium sized applications including both power and heat generation. In particular, their use as individual units or in combination to scale-up capacity offer benefits in terms of siting, installation, operation, lifecycle and economics in comparison to the development of larger nuclear plant for centralised electricity power grids. Interest has increased in the research and development of SMRs for both developing countries as well as such additional cogeneration options as industrial/chemical process heat, desalination and district heating, and hydrogen production. This book reviews key issues in their development as well as international R&D in the field.

- Gives an overview of small modular reactor technology
- Reviews the design characteristics of integral pressurized water reactors and focuses on reactor core and fuel technologies, key reactor system components, instrumentation and control, human-system interfaces and safety
- Considers the economics, financing, licensing, construction methods and hybrid energy systems of small modular reactors
- Describes SMR development activities worldwide, and concludes with a discussion of how SMR deployment can contribute to the growth of developing countries

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Mary Summers:

The reason why? Because this Handbook of Small Modular Nuclear Reactors (Woodhead Publishing Series in Energy) is an unordinary book that the inside of the guide waiting for you to snap this but latter it will distress you with the secret it inside. Reading this book alongside it was fantastic author who also write the book in such remarkable way makes the content inside of easier to understand, entertaining means but still convey the meaning thoroughly. So, it is good for you for not hesitating having this ever again or you going to regret it. This amazing book will give you a lot of advantages than the other book possess such as help improving your ability and your critical thinking means. So, still want to hesitate having that book? If I were being you I will go to the reserve store hurriedly.

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