



Sustainable Development in Practice: Case Studies for Engineers and Scientists (Paperback)

By -

John Wiley and Sons Ltd, United States, 2011. Paperback. Condition: New. 2nd Edition. Language: English . Brand New Book. Sustainable Development in Practice: Case Studies for Engineers and Scientists, Second Edition explores the concept of sustainable development and its implications for science and engineering. It looks at how sustainability criteria can be combined with traditional scientific and engineering considerations to design and operate industrial systems in a more sustainable manner. Taking a life cycle approach to addressing economic, environmental and social issues, the book presents a series of new practical case studies drawn from a range of sectors, including mining, energy, food, buildings, transport, waste, and health. Written in an accessible style, the book opens with a general introduction to the concept of sustainable development and explores its practical implications for technical experts. Recognising that practical application of sustainable development depends on the context, the second part of the book is devoted to case studies. The case studies explore scientific and technical aspects alongside relevant environmental economic and social issues. The key features of this completely revised and updated second edition include: Twelve new chapters, including the case studies on nuclear energy, biofuels, aviation, buildings, urban transport, food, sanitation and...



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