Nuclear Facilities: A Designer's Guide

By Bill Collum

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Designing new nuclear facilities is an extraordinarily complex exercise, often requiring teams of specialists several hundred strong. *Nuclear Facilities: A Designer's Guide* provides an insight into each of the main contributors and shows how the whole design process is drawn together.

Essential reading for all nuclear professionals: those already involved in the industry will gain knowledge that enables them to interact more effectively with colleagues in other disciplines. Its wealth of information will assist students and graduates in progressing more rapidly into fully rounded contributors to the nuclear facility design process. Whilst those joining nuclear from other industries will find a structured introduction to the nuclear world and discover what differentiates it from other spheres of engineering.

- A single, comprehensive text on nuclear facility design which covers all major aspects of the process
- Packed full of essential information, its complex subject matter is explained in a logical and comprehensible style
- Valuable to those involved in both new build and decommissioning projects
- Written by a highly respected expert in the nuclear industry

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Editorial Review

Review

"As the organisation responsible for the decommissioning and clean-up of the UK nuclear legacy, we have first-hand experience of how design decisions made in the planning of a nuclear facility affect not only its operations but also its decommissioning. Whether it be worker dose, cost, schedule or simply how difficult a job is to access and perform, the importance of early design decisions cannot be overstated. The NDA is therefore delighted to see this book, which throughout pays attention to the consequences of design decisions not only on operability but also on decommissioning." --**Dr Adrian Simper, Strategy and Technology Director, Nuclear Decommissioning Authority (NDA)**

"As the lead skills body for the UK nuclear industry, the *National Skills Academy for Nuclear* (NSAN) is dedicated to improving capability within the industry. Established by nuclear employers and Government, we set the highest standards of excellence and, through a high quality network of training providers, lead programmes which improve competency within the supply chain. We welcome this book which, for the first time, draws together a wealth of multidisciplinary information that previously would have been difficult to accrue, even in an entire career. We believe it will make a significant contribution to improving knowledge, and therefore skills, within the nuclear sector." --**Jean Llewellyn OBE, Chief Executive, National Skills Academy for Nuclear (NSAN)**

From the Back Cover

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- A single comprehensive text on nuclear facility design which covers all major aspects of the process
- Packed full of essential information, its complex subject matter is explained in a logical and comprehensible style
- Of tremendous value to those involved in both new build and decommissioning projects
- Written by a highly respected expert in the nuclear industry

Becoming a truly competent nuclear specialist is a notoriously slow process, one which can be accelerated considerably by reading this book.

About the Author
Bill Collum is an independent consultant with over 30 years' experience in the Nuclear Industry, gained both in the UK and overseas. He is one of the world's leading experts in nuclear facility design, specialising in

coordinating front-end Layout development from a blank sheet to a frozen scheme.

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