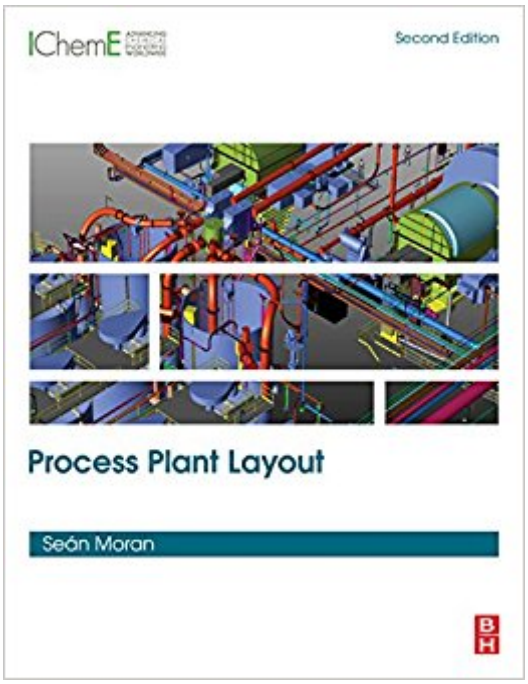
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Process Plant Layout



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Synopsis

Process Plant Layout, Second Edition, explains the methodologies used by professional designers to layout process equipment and pipework, plots, plants, sites, and their corresponding environmental features in a safe, economical way. It is supported with tables of separation distances, rules of thumb, and codes of practice and standards. The book includes more than seventy-five case studies on what can go wrong when layout is not properly considered. Sean Moran has thoroughly rewritten and re-illustrated this book to reflect advances in technology and best practices, for example, changes in how designers balance layout density with cost, operability, and safety considerations. The content covers the Ã¢â ¬Ëœwhyà¢â ¬â„¢ underlying process design company guidelines, providing a firm foundation for career growth for process design engineers. It is ideal for process plant designers in contracting, consultancy, and for operating companies at all stages of their careers, and is also of importance for operations and maintenance staff involved with a new build, guiding them through plot plan reviews. Based on interviews with over 200 professional process plant designersExplains multiple plant layout methodologies used by professional process engineers, piping engineers, and process architectsIncludes advice on how to choose and use the latest CAD tools for plant layoutEnsures that all methodologies integrate to comply with worldwide risk management legislation

Book Information

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Customer Reviews

I have been involved in process plant design, construction and operation for over 30 years. It is always nice to find a resource like Process Plant Layout to identify new ideas or remind you of things that you have forgotten. The book is well written and will come in handy for my next project.

great comprehensive overview

Sean Moran outlines a comprehensive review of good plant layout design principles, based on his own vast professional experience as a practicing engineer. This book lays out fundamental considerations as well as delving into detailed practical methods and rules of thumb to adhere to when setting out how a plant should be transformed from a drawing to construction. The core pillars of design ÃƒÂ¢Ã â ¬Ã â œsafety, cost & robustness- are kept within the heart of this book, to ensure all relevant considerations are met when delivering an efficient layout design.After the first ÃƒÂ¢Ã â ¬Ã Å“General PrinciplesÃƒÂ¢Ã â ¬Ã Â• section, the book explores specific areas of plant layout in more detail, for example: consideration into utilities, hazard assessment & equipment layout. As a process & logistics engineer, I look at people and material flows through a plant and therefore found the ÃƒÂ¢Ã â ¬Ã Å“Warehouse StorageÃƒÂ¢Ã â ¬Ã Â• chapter particularly interesting. This chapter provided familiar and accurate or new and useful guidelines for warehouse layout design, which I will definitely refer to in future warehouse layout projects.I highly recommend this book to engineers who are concerned with plant layout, whether they are at the start or end of their career, or even studying. This book can be used as an encyclopedic reference as it does not necessarily need to be read back-to-back, but instead areas of interest can be pinpointed. In summary, it was a very good and insightful read, providing relevant information which I will be able to use in future layout designs.

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