

# Essentials of Data Center Projects

1st Edition



# **Essentials of Data Center Projects**

**1st Edition**



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## Acknowledgments

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A data center can be described as a room with several servers, but the reality is that a data center is a complex facility, with interdependencies on multiple disciplines, systems, and equipment. As the complexity of a data center continues to increase, so does the project that enables its construction.

The following dedicated TI&M Subject Matter Experts (SMEs) provided the key expertise required for the development of this publication's technical content:

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## **Chapter 1**

# **Data Center Concepts**

Chapter 1 introduces the BICSI Class methodology for creating the preliminary concept of a data center for most applications. Use of multiple data centers and a data center outsourcing model are also provided as considerations for addressing potential owner or client needs.



## **Chapter 2**

# **Project Planning**

Chapter 2 describes the planning phase of a data center build, which includes the activities from the request for proposal (RFP) through the design phase.



## **Chapter 3**

# **Project Implementation**

Chapter 3 supplies information related to data center project implementation, beginning with the bidding process, moving through construction and commissioning, and leading to project closeout.



## **Chapter 4 Project Management Essentials**

Chapter 4 provides a summary of project management concepts and elements that are part of a data center project. Content includes project management fundamentals, project management tools, and stakeholder relations.



## **Chapter 5**

# **Project Documentation**

Chapter 5 provides an overview of the applicable elements of project documentation. It includes descriptions of construction documents (e.g., drawings, specifications) and other documentation, such as logs, submittals, and forms that are used during the execution of a project.



## **Glossary**

This Glossary provides concise and up-to-date terminology pertaining to data center projects. It includes specific definitions, terminology, and acronyms used in the execution of these projects.