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Data Driven Energy Centered Maintenance

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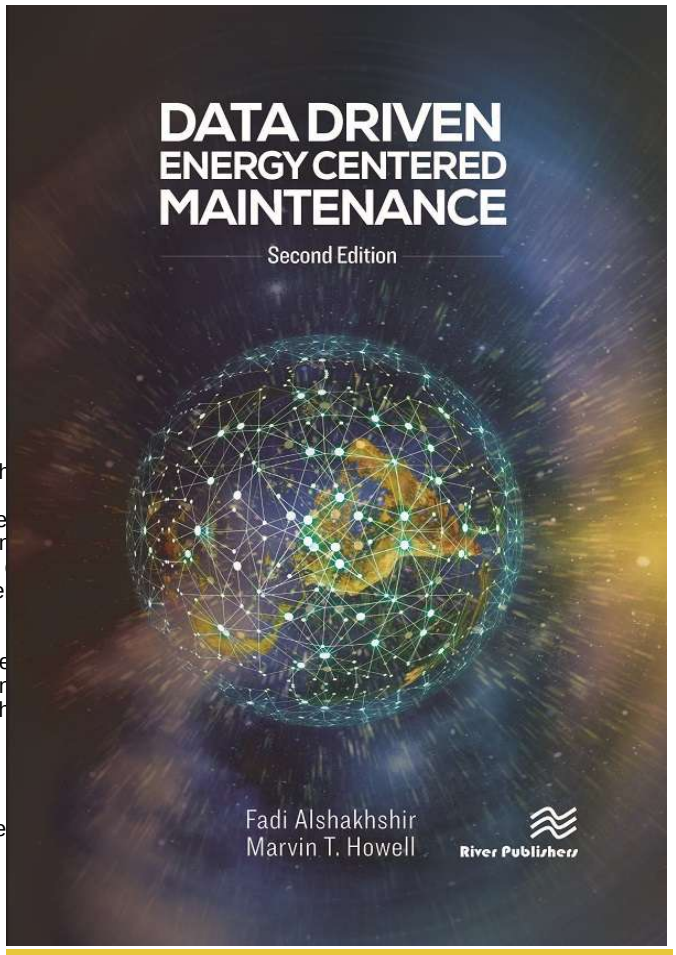
Over recent years, many new technologies have been introduced to drive th digital transformation in the building maintenance industry. The current trend digital evolution involves data-driven decision making which opens ne opportunities for an energy centered maintenance model. Artificial Intelligence ar Machine Learning are helping the maintenance team to get to the next level maintenance intelligence to provide real-time early warning of abnormal equipme performance.

This edition follows the same methodology as the First. It provides detaile descriptions of the latest technologies associated with Artificial Intelligence ar Machine Learning which enable data-driven decision-making processes about th equipment's operation and maintenance.

Technical topics discussed in the book include:

- Different Maintenance Types and The Need for Energy Cente Maintenance
- The Centered Maintenance Model
- Energy Centered Maintenance Process
- Measures of Equipment and Maintenance Efficiency and Effectiveness
- Data-Driven Energy Centered Maintenance Model:
  - Digitally Enabled Energy Centered Maintenance Tasks
  - Artificial Intelligence and Machine Learning in Energy Cente Maintenance
  - Model Capabilities and Analytics Rules
  - Building Management System Schematics

The book contains a detailed description of the digital transformation process most of the maintenance inspection tasks as they move away from being manual triggered. The book is aimed at building operators as well as those buildir automation companies who are working continuously to digitalize buildir operation and maintenance procedures. The benefits are reductions in th equipment failure rate, improvements in equipment reliability, increases equipment efficiency and extended equipment lifespan.



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