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| Soggetti                | Energy consumption<br>Intelligent buildings<br>Railroad stations - Automation  |
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| Livello bibliografico   | Monografia   |
| Note generali           | Description based upon print version of record.  |
| Nota di contenuto       | Cover; Contents; Figures, Tables, and Boxes; Figures; 1 Passenger Railway Traffic Volume; 2 Factors Affecting Building Energy Consumption; 3 Diagram of Building Automation Control System; 4 Diagram of Beijing Station Passageways; 5 Diagram of Passageway of Shanghai Station; 6 Diagram of Passageway of the Beijing South Station; 7 Energy Consumption Constitution of Large Stations; 8 Comparison of Energy Use by Public Building Type; 9 Issues Arising during Domestic Intelligent Building Projects; 10 Station B Daily Dry Bulb Temperature; 11 Station B Monthly Dry Bulb Temperature<br>12 Station B Daily Relative Humidity<br>13 Station B Daily Radiation; 14 Operation Profile; 15 Energy Consumption Baseline Breakdown; 16 Four Intelligent Railway Station Building Measures toward Intelligent Energy Consumption; 17 Comparison of Intelligent Energy Consumption with the Baseline; 18 Intelligent Energy Saving Rate; 19 Design and Building Cost versus Operation and Maintenance Cost; 20 Energy Saving Rate from Control and Commissioning; 21 Energy Saving Rate of International Retrofit Cases; 22 Heating, Ventilation, and Air-Conditioning Energy-Saving Rates in Selected Cases<br>23 Lighting Control Energy Saving Rate in Selected Cases<br>24 Cash Flow after Retrofit; 25 Low-Carbon Design Model; 26 Intelligent Control with Sustainability; 27 Railway Station Engineering Related Party Structure; |

28 Diagram of Traditional Processes; 29 Diagram of Integrated Process;  
30 Aspects in Integrated Process; 31 The Commissioning Process;  
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Control Efficiency  
5 Heating, Ventilation, and Air-Conditioning Design Parameters  
6 Climate Data; 7 Occupancy Density; 8 Building Envelope; 9 Lighting  
Power Density; 10 Heating, Ventilation, and Air-Conditioning  
Equipment; 11 Basic Information of Stations A and B; 12 Basic  
Information on the Facilities in Stations A and B; 13 Recommendation  
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Ventilation, and Air-Conditioning System and Control; 16 Lighting and  
Control; 17 Power Distribution and Energy Metering System; 18 Power  
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21 Management Hierarchy; 22  
Integration of the Different Stages of Project Management Delivery IPD  
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Effect of a Case Indicate; 24 Factors Involved in the Implementation  
Plan; 25 Action Plan; Boxes; 1 Case Study-Shanghai Station Retrofit; 2  
HIVE Tower Case (France); Foreword; Acknowledgments; Abbreviations;  
Executive Summary; 1. Introduction; 1.1. Background; 1.2. Research  
Objectives and Scope  
2. Energy Consumption in Domestic Stations

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