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ISBN	1-60650-445-2
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Disciplina	629.8
Soggetti	Automatic control Systems migration Electronic books.
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (pages 187-188) and index.
Nota di contenuto	List of tables and figures -- Acknowledgments -- Foreword -- Preface -- About the author -- 1. Migration project justification -- Determining your approach -- Defining ROI -- System failures -- Parts availability or obsolescence issues -- Difficulty integrating with newer applications and systems -- Reduced availability of support services -- Operational inefficiency -- Summary -- 2. A comprehensive FEL -- Selecting your FEL resources -- Identifying key engineering deliverables -- Deliverable descriptions and content -- Important FEL decisions -- Summary -- 3. Bid specifications and vendor selection -- Control system -- The control system functional specification -- Hardware and software requirements specifications -- Control system bid instructions -- Decision criteria matrix -- Selecting a control system vendor -- Engineering, procurement, and construction services -- Requirements definition -- A complete EPC bid request package -- Bid evaluation and project award -- Summary -- 4. Scope, schedule, and budget scope -- Overall organization and approach -- Instrumentation -- Electrical -- Controls -- Civil-mechanical-building -- Communications and integration -- Testing -- Training and documentation -- Cutover -- Budget -- Schedule --

Summary --
5. Project staffing -- Defining project resource requirements -- Project organizational chart -- Roles and responsibilities matrix -- Project schedule resourcing -- Extending the project team -- Establishing team communication -- Building an effective team -- Summary --
6. Training -- Engineering -- Maintenance -- Operations -- Others -- Summary --
7. Progress monitoring, change orders, and reporting monitoring -- Scope monitoring -- Schedule tracking -- Budget evaluation -- Overall progress calculations -- Adjusting plans -- Change order management -- Project reporting -- Summary --
8. High-risk areas -- Graphics -- Third-party systems or application communications -- Staffing changes -- Poor teamwork -- Unforeseen logic complexity -- Field construction obstacles -- Cutover details -- Summary --
9. Cutovers -- Correct methodology decision -- Thorough design details -- Comprehensive plan -- Prepared field team -- Control room leadership -- Strong operations coordination -- Complete loop packages -- Efficient checkout process -- Summary --
10. Project closeout and lifecycle management -- Documented completion scope -- Phased financial closing -- Remaining milestones schedule -- Project delivery and acceptance -- Final project review meeting -- Lifecycle management -- Summary --
Supplemental resource list -- Index.

Sommario/riassunto

Reliable and effective control systems are a critical component of safe and profitable operations across process industries. And many of our industrial facilities today continue to operate using legacy control systems from the past four decades that are at or near the end of their lifecycles. Migration projects to modern control systems are complex, requiring detailed upfront planning, a methodical implementation strategy and astute project management.