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Managing factory automation projects

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Abstract

Implementing advanced manufacturing technologies such as flexible manufacturing systems and CAD/CAM has been much more difficult and lengthy for companies than expected. Out of necessity, firms have thus turned to project management approaches to achieve the benefits of these automated systems within reasonable time and cost limitations. In general, project management has worked well for such complex systems, particularly where standard project management tools have been employed in the process.

This paper illustrates the major project management concepts and techniques used in a number of industrial automation projects. The focus is on project planning, implementation, and control, including the issues of budgeting, scheduling, resource allocation, monitoring, information system design, and post-auditing.



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Keywords

Project Management; Factory of the Future; Automation; Justification; Champion

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