



Pilot Projects: Tools for Implementation

A CII Special Publication
November 1991



Construction Industry Institute



Documents

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The purpose of this publication is to make available to industry the results of research conducted by the Construction Industry Institute (CII). The publication does not necessarily represent the view of CII member companies, but is offered as a contribution to the industry.

CII was founded in 1983 to improve the cost effectiveness of the nation's largest industry. The members, who represent a broad cross-section of owners and contractors, believe that many of the problems that limit cost effectiveness are common ones, and that real improvements can be best accomplished in a cooperative environment with the benefits being shared by the construction industry at large.

CII uses the acronym TOPICS to describe the research effort. TOPICS signifies the six research thrust areas: Technology, Organization, People, Information, Controls and Sigma (meaning others). The task forces for each area are listed below.

Technology

- Advanced Technological Systems
- Computer Integrated Design & Construction
- Constructability
- Electronic Data Management
- EPC Flexibility
- Modularization
- Technology

Organization

- Constructability Implementation
- Partnering
- Pre-Project Planning
- Project Organization
- Project Team Building
- Risk/Reward Allocation

People

- Construction Work Force
- Continuing Supervisory Education
- Education and Training
- Employee Effectiveness
- Safety
- Zero Accidents

Information

- CICE Impact Evaluation
- Industry Data & Statistics
- International Construction
- Model Plant
- Owner Engineering Organization
- Project Management Assessment Survey

Controls

- ASCE Quality Manual
- Change Order Impacts
- Claims
- Contracts
- Contracts, Phase II
- Cost/Schedule Controls
- Design
- Dispute Prevention and Resolution
- Materials Management
- New Approaches for Schedule Reduction
- Overtime
- Overtime, Phase II
- Productivity Measurement
- Quality Management
- Quality Performance Measurement
- Total Quality Management

Sigma

- Barriers to Implementation
- Construction 2000
- Insurance
- Retrofit Projects
- U.S. Navy Demonstration Project

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*Prepared by the Pilot Projects Action Team
Construction Industry Institute*

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