



We are about you!®

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We make your company more productive by applying: Lean Engineering, Manufacturing, and Service Processes

*Making Productivity Visible to Everyone®*

## **Externalizing Work® using PPI Construction™** **A Tool for Maximizing Profitability** **In Electrical Construction**

This workshop is designed to provide an understanding of how to design and implement a prefabrication process as part of an overall strategy to develop an Optimal Electrical Construction Business Model. As the jobs get larger, faster, and more complex, only contractors that can improve productivity through better management of time cost and quality will survive. Prefabrication, along with vendor partnership and job productivity tracking, are key tools for optimizing the delivery time, cost and quality of large and risky jobs. This workshop addresses the key steps in effectively implementing prefabrication as an integral part of the productivity management system by providing participants with MCA's latest research on construction productivity and helping them understand how to apply the principles to bring dramatic improvements in profitability to their company.

Topics include:

- Research on productivity in electrical construction
- Factors for optimizing labor productivity
- Prefabrication: what it is and what it is not
- Pre-planning and layout for large projects, including how to identify opportunities to externalize work®
- Project Management and Organizational Principles to support prefabrication
- Implementation planning, including setting up the prefab operation

Participants completing the workshop will

- Understand the state of productivity in construction today
- Gain insight on their organization vs. the Optimal Construction Business Model
- Identify key action steps needed for implementing an effective prefabrication process