

PENN STATE **PACE** The Partnership for Achieving Construction Excellence

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Partnering for Value Engineering

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Research: Partnering for Value Engineering

Background:

- Value Engineering - methodical advance to improve the overall value of a product and accompanying services
- Partnering - management tool to improve quality and program, to reduce confrontations between parties, thus enabling an open and non-adversarial contracting environment

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Survey Utilization:

- Key dates of design development
 - when did VE occur?
- Sources of VE suggestions and their purpose
 - cost cutting or adding value?
- Satisfaction or displeasure within project team interaction
- What are the attributes of successful VE?

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Research: Timing of Value Engineering

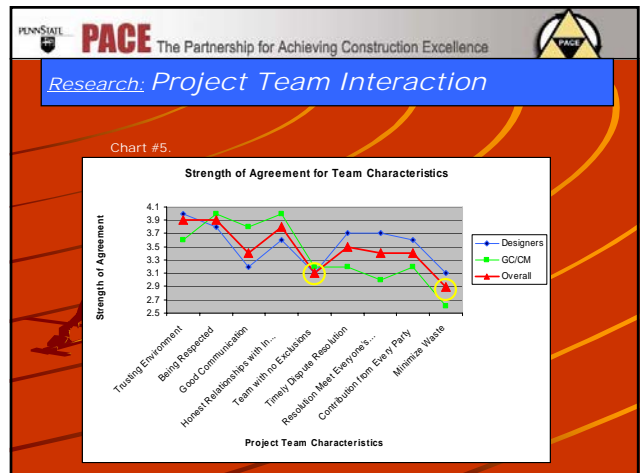
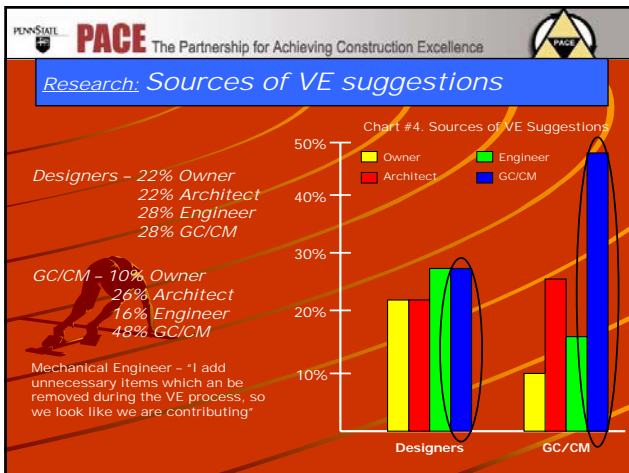
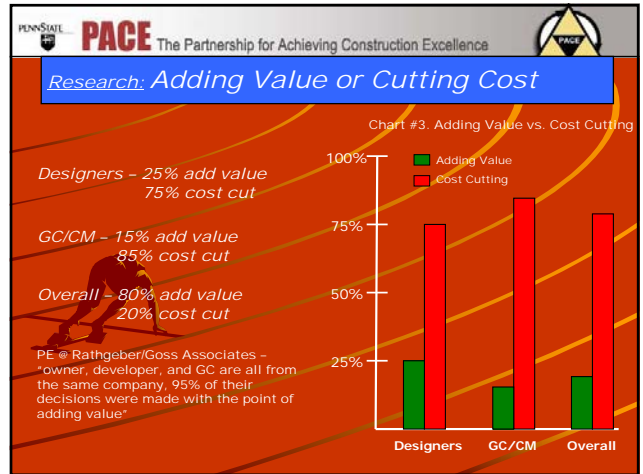
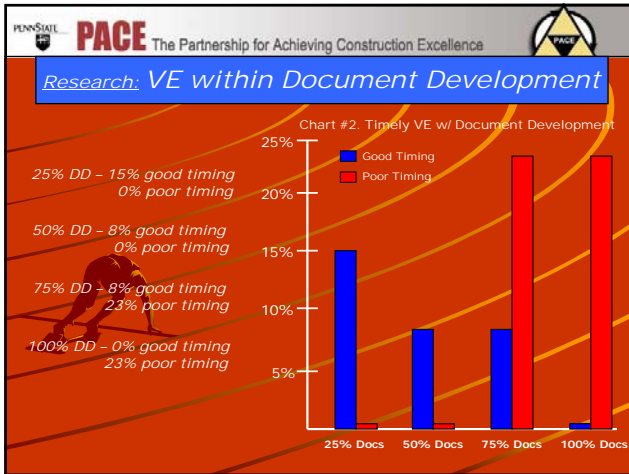
Chart #1. Teams in Timely VE Process

Designers - 22% good timing
78% poor timing

GC/CM - 40% good timing
60% poor timing

Overall - 29% good timing
71% poor timing

Category	Good Timing (%)	Poor Timing (%)
Designers	22%	78%
GC/CM	40%	60%
Overall	29%	71%

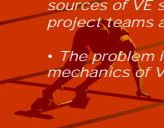


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Final Observations/Recommendations

- Designers and GC/CM's are in agreement that VE timing is poor and the earlier suggestions are best
- Overall aim of cost cutting and a noticeable difference in sources of VE suggestions may cause dissemination between project teams and their goals
- The problem is not so much partnering, but the overall mechanics of VE



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Comments?
or
Suggestions?

