



# 33<sup>rd</sup> Annual ACHA Design and Construction Seminar 55<sup>th</sup> Annual FHEA Meeting and Trade Show



Electrical Engineering Session  
Time – 1:00 – 2:00PM

Technology costs are not in my construction budget!! What is next?

## **Presented by:**

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Todd Potter, RCDD



# Technology costs are not in my construction budget!! What is next?



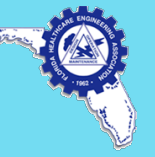
Who owns the budget?

Who developed/  
compiled the budget?

Who are my  
presenters?



Why wasn't IT  
costs included  
in the budget  
early enough?



# Technology costs are not in my construction budget!! What is next?



## Who we are?

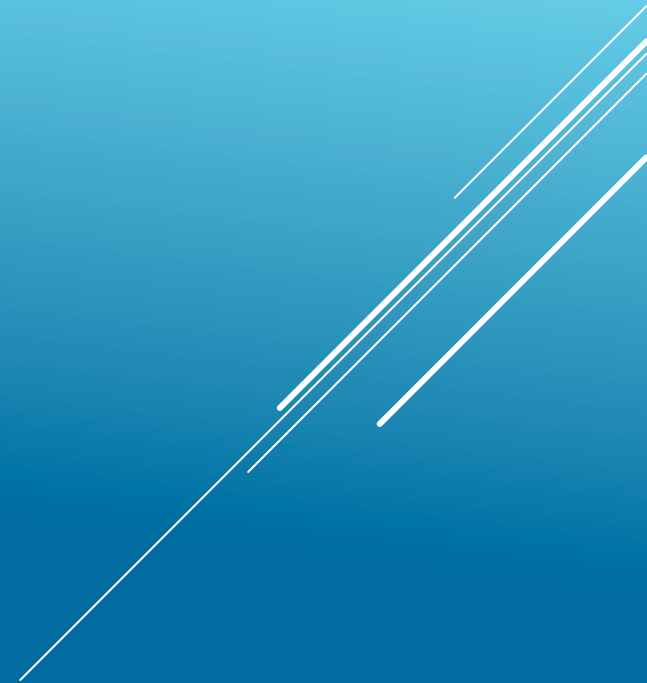


Technology costs are not in my construction budget!! What is next?



## Questions that **WILL** be answered today...

- Is technology really this expensive?
- Can technology design needs affect the budget?
- When should technology be brought into a project?
- Can technology design decisions affect construction?
- Can these designs impact a schedule?
- How can I help this issue on my next project?

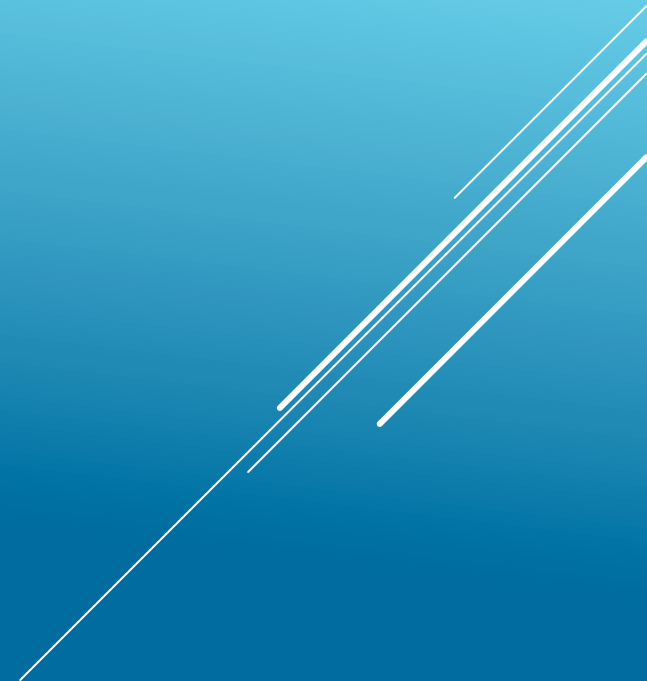




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What keeps you up at night as it relates to technology on a project?





## Technology costs are not in my construction budget!! What is next?



### BUDGET – Show me the money!

- Who owns the technology budget?
- Who developed and compiled the budget?
- What doesn't it include and why wasn't it accounted for in the original budget?
- Why does so many people have pieces of the budget and why did no one put together a master IT budget?
- Why doesn't a construction budget include everything? Cabling infrastructure, all systems, hardware, software, and license costs?
- Why is the IT budget so large?
- Why are AV systems so often times left out of the budget entirely?



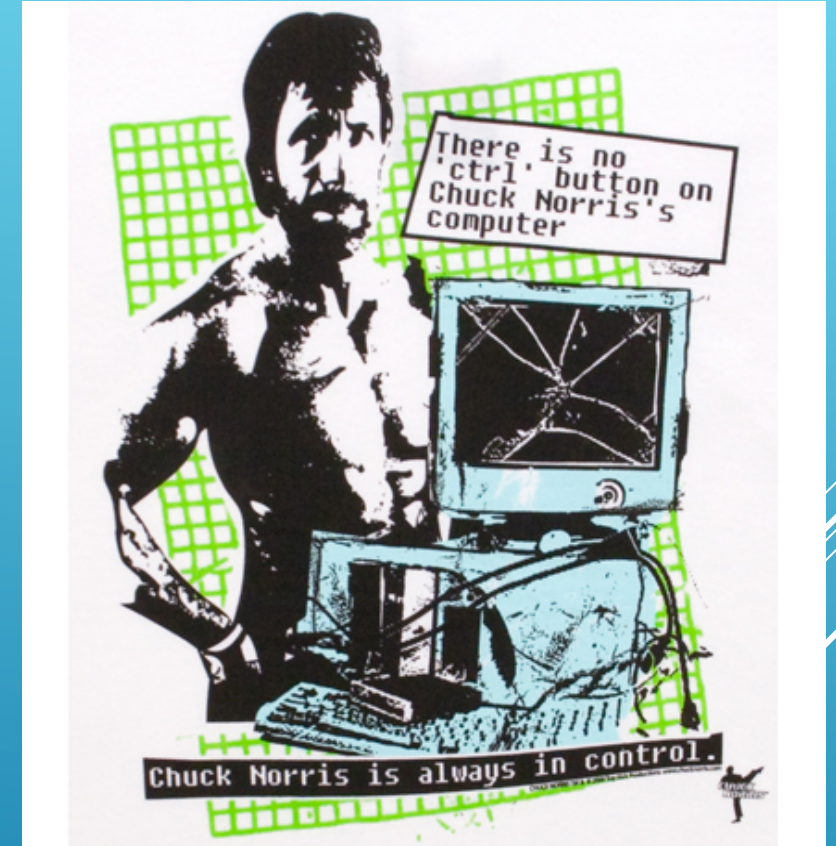


## Technology costs are not in my construction budget!! What is next?



### BUDGET – Take Control

- Hire a technology expert early in a project
- Properly budget for all IT systems required in the project using recent project data
- Develop a budget early enough in to set real world expectations
- CM versus Owner handling Technology Bids
- Open discussion early in design to eliminate IT scope gap
- Prepare a IT Strategic Plan









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## BUDGET – Who said there needed to be AV?

Two weeks away from CO...

User asks “What type of audio-visual am I receiving in my facility?”





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## DESIGN DECISIONS

- Minimize “wishlists” – nail it down before it goes to bid
- What can be Value Engineered from the project to lower IT costs?
- Is all this “really” required?
- What level of Technology is required?
- Evaluation of and leveraging of existing systems
- Can a design decision affect construction?
- IP Convergence and coordinating ALL systems during design



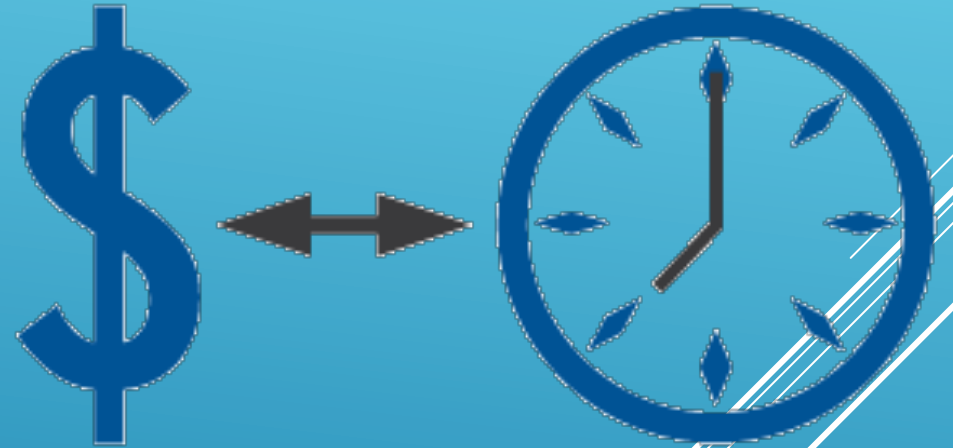


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### TIME TO BUILD – AFFECTS ON CONSTRUCTION

- No technology design included in bid
- No infrastructure to support tech needs
- Not my responsibility!
- Unclear design
- Lack of expertise
- Construction team with technology expertise on board
- Owner with IT Champions actively involved





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## Back to our questions...

- Is technology really this expensive?
- Can technology design needs affect the budget?
- When should technology be brought into a project?
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- Can these designs impact a schedule?
- How can I help this issue on my next project?

# Thank You for your time!



## Questions?

### Contact us:

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Todd Potter – [Todd.Potter@apg.company](mailto:Todd.Potter@apg.company)

Or come chat and grab a business card!