

No "Engineerettes"

My 35+ Years in Utility Engineering

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Agenda

- About that title, though. . .
- A frank talk about time
- The power of "the pause"
- The power of grace
- The power of you

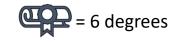


About that title, though . . .



About that title, though . . .





UCF Graduation in 1984

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UCF Civil Engineering Degrees in 1984





UCF in 1980

- 12,820 enrollees
 - 6,116 males
 - 6,104 females
- 1,908 enrolled as engineering majors = 15%
- 168 of those were civil engineer majors = 9%
 - 26 graduated in 4 years = 15%
 - 23 were male (88%)
 - 3 were female (12%)

UCF in 2018

- 68,571 enrollees
 - 30,633 males
 - 37,938 females
- 11,872 enrolled as engineering majors = 17%
- 389 of those were civil engineer majors = 3%
 - 149 graduated in 4 years = 38%
 - 116 were male (78%)
 - 33 were female (22%)

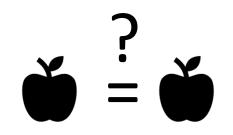


A frank talk about time



You've all seen this, right?







You've all seen this, right?

- They do this by industry.
- They do this by level of degree.
- They do this by age.
- They DO NOT look at longevity or years in the work force.



Know your facts before you react. . .

- Engineer A
 - Started with the Company in 1984
 - Took and passed PE in 1988
 - Became a Project Engineer in 1990
 - Was making \$\$+ than Engineer K
 - Had a Master's degree

- Engineer K
 - \rightarrow Started with the Company in 1984
 - \rightarrow Took and passed PE in 1988
 - \rightarrow Became a Project Engineer in 1990

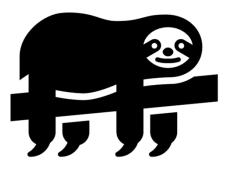
→Took 3 months off for Child #1→Took 2.5 months off for Child #2



The power of the "Pause"



The "Pause"



- US Mail Letter: 2-4 days
- Photograph (after it is shot): 7 days



- E-mail: 0.10 to 0.15 seconds
- Photograph (after shot): 1/40,000 seconds



What is the "Pause"?

- The "pause" can be your best friend.
- It needs to be practiced.
- Know what causes you to want to react.





What is the "Pause"?

- Don't react.
- School your features.
- Take a moment to think.
- It's OK to say, "I am processing that."





What is the power of grace?



- Everyone can have "grace".
- Everyone can give "grace".
- What is "grace"?



- Emotional Intelligence
 - Listening
 - Recognizing how you impact others
 - Recognizing how others impact you
 - Actions on all of the above



Example

- Meeting moderator asks, "How was your weekend?"
 - You: "Totally insane! We went to this totally awesome concert, but then, we, like, had car trouble on the way home and it totally ruined the night for me."

Alternative

- Meeting moderator asks, "How was your weekend?"
 - You: "Saw a great concert. Ready to dive back in"



WARNING: THIS SLIDE CONTAINS "SALTY" LANGUAGE.

The power of grace

Example

- Attendee 1: This design is total shit. It needs a major revision!
- You: It is really fucked up.
- Attendee 2: Right?!?

Alternative

- Attendee 1: This design is total shit. It needs a major revision.
- You: <pause> It does? Why do you say that?
- Attendee 2: Well, excuse my French, but it is really fucked up.
- You: <pause> Not sure that answered my question. Why?





- Example 1:
 - LINC program at my firm
 - Lunches
 - Free food
 - Maybe some mentorship
 - Young engineer who said:
 - "I don't wear make-up because the guys I work with don't have to wear make-up."
 - "I dress in super casual clothes because I am in my cubicle most of the time. Who cares?"









- Example 2:
 - Play to your strengths
 - Remind yourself of your strengths
 - Find complementary people to build your team



Summary

- A frank talk about time:
 - Know your facts, and make sure you have all the facts.
 - We are powerful, not victims
- The power of "the pause":
 - Time is your friend
- The power of grace:
 - Give as often as you can
- The power of you:
 - You are wonderful.
 - You have already accomplished so much!



Thank you!

Questions?

