Virtual Presentation Skills for Engineers
Virtual
Agenda

- Content
- Technology
- Technique
- Q & A
Attention
Results
1. Analyze Your Audience
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- Know
- Do
- Feel
2. Craft Your Key Message
Drama is life with the dull bits cut out.

- Alfred Hitchcock
Perfection is achieved, not when there is nothing more to add, but when there is nothing left to take away.

- Antoine de Saint-Exupery
  author, *The Little Prince*
3. Have a Cohesive Structure
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- Problem/Situation
- Solution
  - Support Point 1
  - Support Point 2
  - Support Point 3
- Value/Payoff
3. Have a Cohesive Structure

Problem/Situation

Solution

Support Point 1

Support Point 2

Support Point 3

Value/Payoff
4. Make Your Message Stick

Memorable Concept

- Operation Overlord
- Drive sober or get pulled over
- 30 – 30 – 30
- Recruit, Retain, Record
- Hope is on the way
4. Make Your Message Stick
5. Use Pictures not Words

Petrochemical Plants

Petrochemical plants have hazardous areas that have regulations. If dangerous gasses such as hydrogen leak into the air, a spark or heat could cause an explosion.
5. Use Pictures not Words

1. Move Script off the Slide

Compressor Surge

- Phenomenon of Flow reversal, typically in 20 to 60 msec.
- Fast Surge cycles, typically at a rate of 0.3 sec to 3 sec.
- Compressor vibrates, sometimes violently.
- Pressure and flow fluctuates, temperature rises.
- Traditional controls, instruments and Operators may be unable to detect surge.
- Condition leads to process disturbance, energy waste
- Condition may lead to damage to Seals, impellers and shaft - compromise Compressor’s reliability.
- Condition may lead to unit/process trips – DOWNTIME!!!

Original

Revision 1

Revision 2

Compressor Surge

- Flow reversal (20 – 60 msec)
- Fast surge cycles (0.3 – 3 secs)
- Vibration, sometimes violently
- Fluctuation, temperature rises
- Process disturbance, energy waste
6. Have Variety

- Data
- Testimonial
- Picture
- Story
- Chart
- Word
- Case Study
- Diagram
- Cartoon
7. Address Four Communication Styles

- Dominance
  - Bullet points
  - Bottom line

- Influence
  - Fun
  - Possibilities

- Conscientiousness
  - Facts
  - Details

- Steadiness
  - Relationships
  - People
Present with Impact
What one new idea will you implement?
Agenda

- Content
- Technology
- Technique
1. Know Your Platform

- Capabilities
- Test audio/video
- Practice
- How interact/engage?
2. Use Interaction Tools

- Chat
- Breakout rooms
- Polling
- Drawing/highlighting
- Quiz
- Raise Hands
- Screen Share
3. Look into the Camera (eye level)

Logitech C920 + Plexicam
4. Use Proper Framing
5. Use Proper Lighting
5. Use Proper Lighting
5. Have an Appropriate Background
6. Avoid “Echo”
7. Position Your Microphone
What one thing can you improve?
Agenda

- Content
- Technology
- Technique
What is one virtual presentation technique you have seen work well?
Energy

Animated
Authentic
Fun
Engage
Engage

Welcome
Call On
Ask Questions
Apply
Raise Hands
Survey
Quiz
Activity
3. Open Strong: BOAT

- Background
- Objective
- Agenda
- Timing
4. Deliver High Value

You

Audience
5. Use “Turn Signals”

We just spoke about X. Let’s now turn to Y.
Vocal Variety

Volume
Pace
Tone
Inflection
The rehearsal is the work and the performance is the relaxation.

- Sir Michael Caine, Actor
  2x Academy Award Winner
Free Recipe!

The Yellow Cake Principle: The Recipe for Influence

Email subject line: IEEE CS

roger@grannisgroup.com
Roger Grannis

grannis group

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