What I Wish I Knew: Systems Engineering & Project Management

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do u ever just get so annoyed at someone that u literally cannot do anything but make this face to them
WHAT DO YOU DEFINE AS SUCCESS?
ESSENTIALS OF LEADERSHIP

Project Manager
Systems Integrator
Finance Officer
Subsystem Leads
Three C’s to Successful Leadership

1. COMMUNICATION
2. CONSISTENCY
3. CLARITY
Understanding Your Teammates

Don’t assume everyone operates the SAME way YOU do.

Delegate tasks that are based on your teammates’ strengths and weaknesses.

Pay attention to how your teammates interact with one another.
What does it take to make my design functional?
What kind of mindset should I have?

1. Be flexible and anticipate.
2. Be efficient.
3. See the big picture.
4. Be prepared for criticism.
The Truth About Being Good at 3D CAD

Doing actual Engineering Analysis like…

ENGINEERING DRAWING?
EASY

NOPE, NOPE, NOPE!
Having Healthy Paranoia

• QUADRUPLE CHECK YOUR DATA INPUT AND OUTPUT!

• Ask yourself does it “make sense?”

• Have multiple pairs of eyes review your work. 😊

MY CODE DOESN’T WORK

LETS CHANGE NOTHING AND RUN IT AGAIN

Every Time
Bench Level Testing

WHEN MY PROTOTYPE DOESN’T WORK

• Start off small, then work your way up.

• Use materials that are readily accessible and affordable.

ON THE FIRST TRY
MY JOURNEY AS PROJECT MANAGER

Overcoming Team Challenges
Facing my Shortcomings
Surviving Senior Design

1. Get comfortable with being *uncomfortable*.

2. Choose your battles.

3. Time management is key.
QUESTIONS?