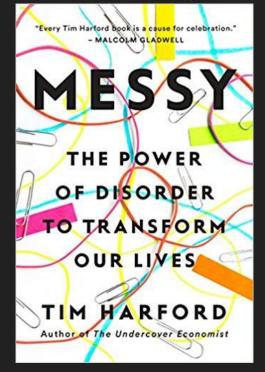
Automation and Technology

Are we losing our ability to think critically? Or, how do we use technology to benefit but not derail our decision making?

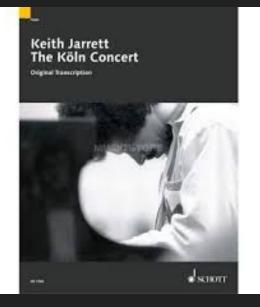


WRMC October 5, 2018 Portland, Oregon





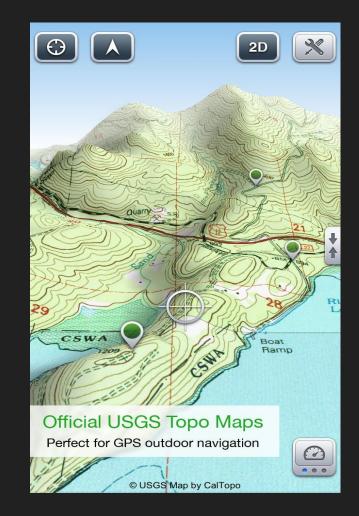


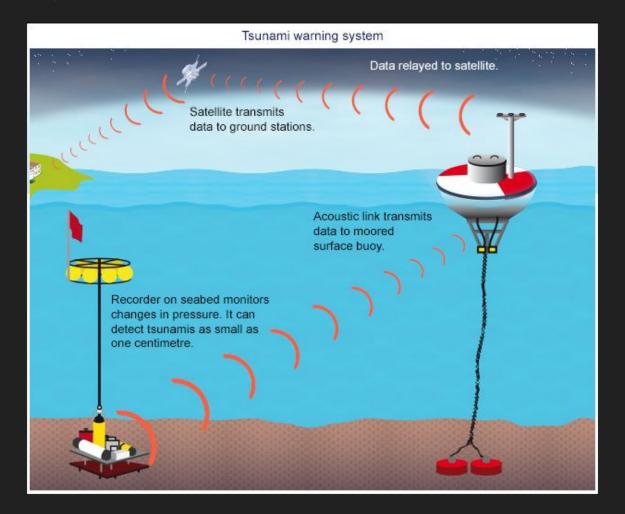


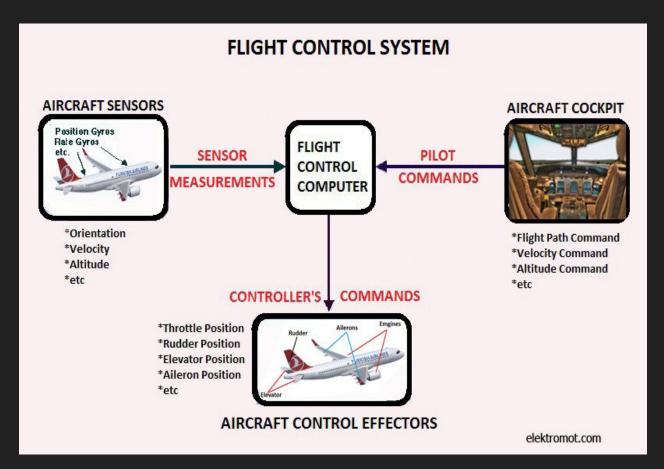
Automation and Technology have made vast improvements to our lives and our safety:



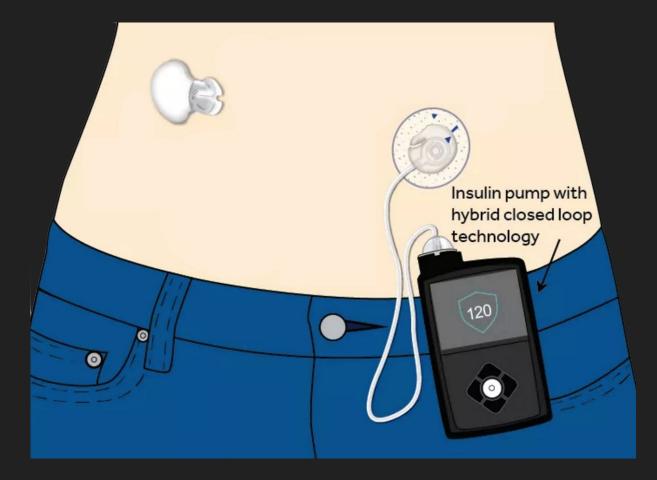


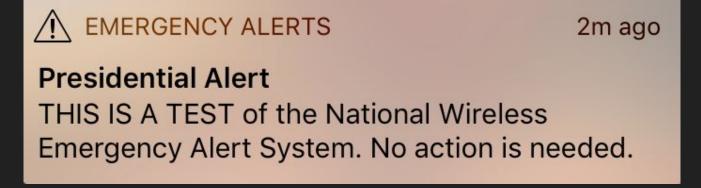














How has automation and/or technology positively impacted your program?

Break out....



The Paradox of Automation





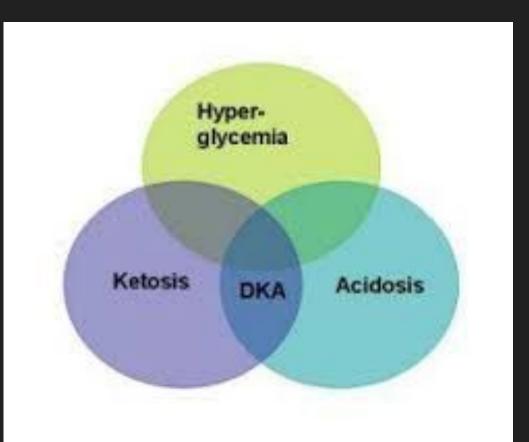


The Paradox of Automation

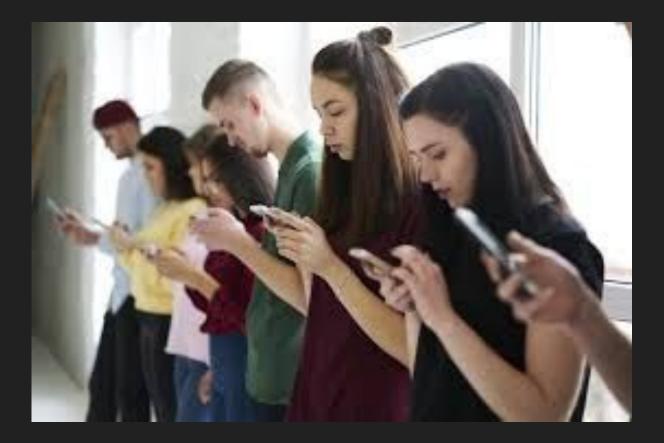
- 1. Automatic systems accommodate incompetence by being easy to operate and automatically correcting mistakes.
- 2. Even if the operator is an expert automatic systems erode skills.
- 3. Systems fail in unusual ways or produce unusual situations.

With the potential for dire consequences...









What automation/technology concerns do you have for your programs? Actually experienced and/or anticipated...

Go back to your groups

Share experiences/concerns

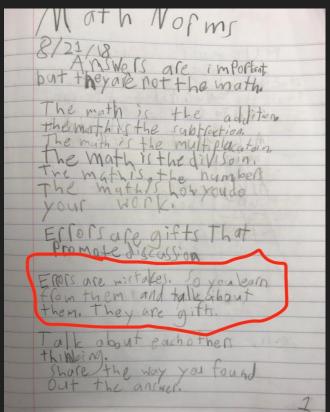
Be prepared to share out



What can we do?



Put some unleaded in the diesel tank



-Gillian, 8 years wise

Training





Stress and Startle response

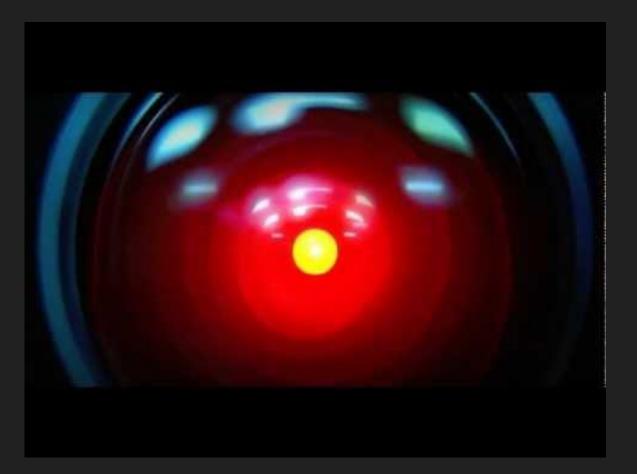


Strategies for Improving Startle Performance

- Know your craft: Maintain handling skills
- Train appropriately
- Be cognisant of your surroundings
- Avoid complacency
- Anticipate threats
- Have a plan

Keep it simple





Action Steps

- 1. Create a staff training exercise that allows staff to see the potential for passivity in decision making when decisions are device influenced.
- 2. Review what devices/apps are used and for what purpose in your organizations.
- 3. Share internal examples and case studies with program managers.

Thanks!

Dave Yacubian

yacubian@readysf.com

