



Solar Power Plant and Substation Design Project

IOWA STATE UNIVERSITY and BLACK AND VEATCH

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Safety Moment

Distracted Driving

- Types of Distractions:
 - Visual
 - Reading messages, Looking at directions, Rubbernecking
 - Manual
 - Reaching for items, Phone usage, Using radio, Eating, Cosmetics
 - Cognitive
 - Talking on the phone, with passenger, thinking about other tasks
- Statistics (per 2018):
 - 14% motor vehicle traffic crashes due to distracted driving
 - 2,841 deaths involving distracted drivers, 506 non-occupants
- Prevention:
 - Keep distractions to a minimum: Save phone use for when stopped in safe location, wait until at destination to perform manual tasks, etc



New Tech

Apple Mixed Reality Headset

- What is it:
 - A headset that uses a combination of virtual reality and augmented reality coming in 2022
 - Rumored to have 8k resolution per eye
 - Uses WiFi 6E
- Potential Uses
 - Will mainly be used for gaming
 - Video conferencing
- Potential Problems
 - Will likely be very expensive since it has very high end components
 - Projected price: \$3,900
 - Could have delays in production



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