



## When Every Moment Counts

A major nuclear power provider reduced worker exposure and increased productivity with Skylight software and smart glasses

At any nuclear power plant, safety and security are priority one. That's why one of America's largest nuclear energy operators tested smart glasses with Skylight from Upskill to help its technicians do their best work on time, efficiently and most of all, safely.

### Situation

The Lock Out / Tag Out protocol—or LOTO—is a critical maneuver during nuclear plant maintenance and repair operations. LOTO ensures that energy sources are isolated so equipment is shut off and stays off while technicians do the necessary work.

The LOTO process requires two technicians: one applies the LOTO checklist procedure, and a second verifies step by step that it has been applied properly, then maintenance can begin. A bright red tag and lock verifies that the equipment has been made safe for maintenance.

LOTO is vital, but it's also labor-intensive and costly. No power can be generated during the maintenance shut down. Every minute the maintenance period is delayed is lost revenue to the company.

### Solution

This nuclear operator tested a new solution: outfitting technicians with smart glasses running Skylight software from Upskill.

Skylight offers "See What I See" live video collaboration, which lets remote technicians watch and verify as the LOTO protocol is underway. That means the company can send just one technician with smart glasses to perform a LOTO process, while a second tracks the work on video from a centralized command center, monitoring the checklist procedures every step of the way.

### Industry

Energy

### AR Solution

- Skylight
- Smart glasses

### Use Case

- Maintenance and repair
- Remote expert
- Safety and inspection

### Benefits

- Accurate LOTO verification
- Better employee safety
- Less downtime

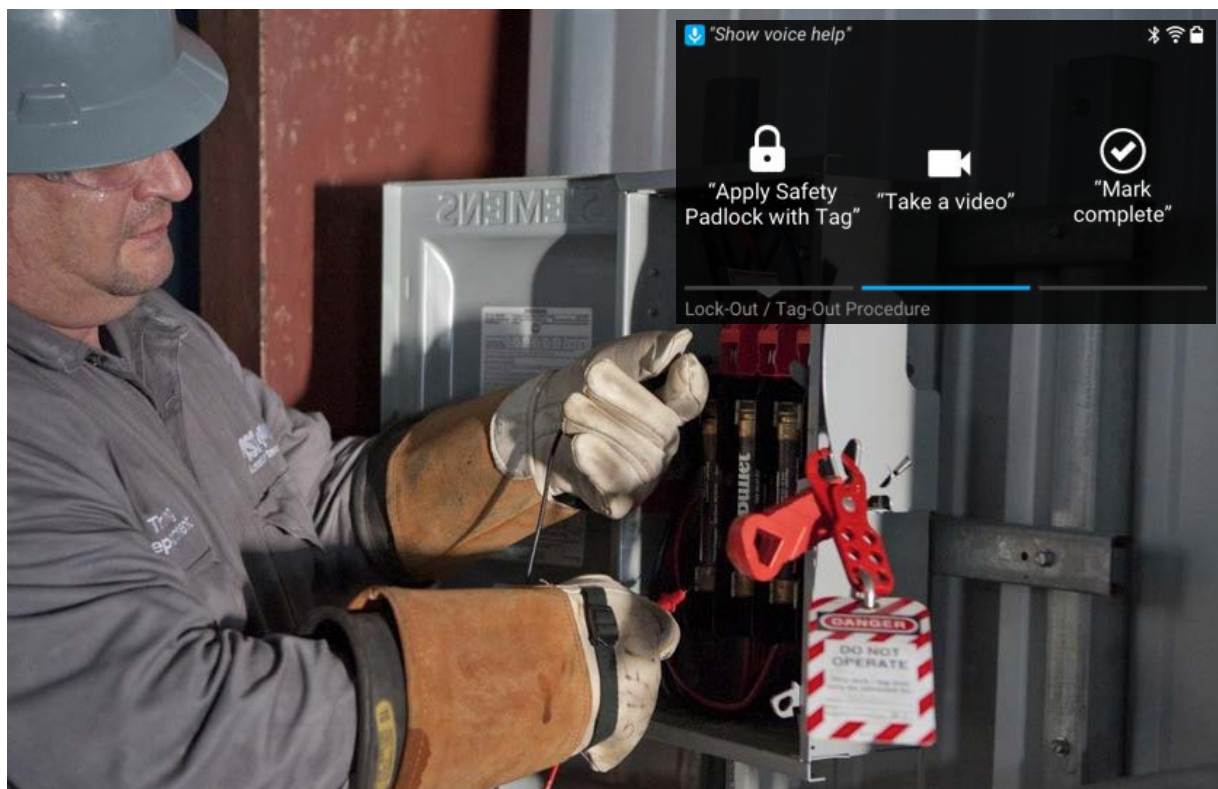
UP  SKILL

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The same central technician can verify LOTO procedures for multiple technicians in different areas of the plant. Fewer workers in the radiation zone means fewer workers at risk and lower doses for the overall workforce.

Skylight is flexible and configurable to many needs. LOTO technicians at this company send and receive messages with each other and with experts at other locations; they also watch reference video during maintenance and repairs.

With Skylight and Epson glasses, there's no need for extra tablets or clipboards. Workers have their hands free to make repairs and get on with the job. For a nuclear provider with over 2,000 programs, policies, processes and tools, that's a huge savings.



*Technician references Skylight for step-by-step instructions during LOTO protocol.*

## Benefits

For this busy company, LOTO protocol has moved a critical step ahead with Skylight and smart glasses. Skylight is helping them:

- Deliver a ~50% efficiency boost in employee allocation
- Reduce overall radiation dosage for the workforce
- Cut maintenance time during costly plant shutdowns

A solution that's safer for workers, better for the bottom line and increases energy production? That's Skylight.