

Security tech: Strategies for safer, smarter operations

Webinar with Utility Security

April 16, 2025



MOTOROLA SOLUTIONS

Our hosts & presenters



Matthew Mahanic
Director, Energy Markets



Bryon Wheaton
Senior Specialist, Energy



Today's discussion

- Current industry landscape
- Strategies to tackle these challenges
 - Proactively identifying potential security threats
 - Enhancing operations
- What's next



What you'll learn:

- The role of tech in your defense strategy
- How to gain actionable intelligence to identify potential bad actors
- Tactics to decrease “time to response”
- How to enable more efficient operations



Current industry landscape



Threats to sites

- Bad actors
 - Physical attack
 - Vandalism
 - Damage or destruction
 - Theft
- Equipment failure

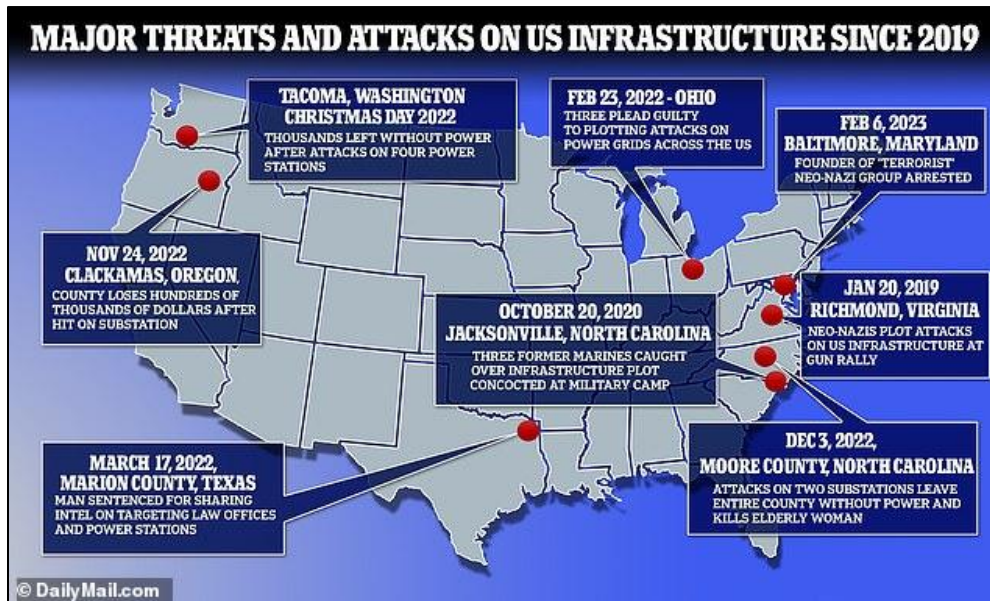
Impact

- Reliability of the bulk electric power system
- Equipment reliability and uptime
- Employee safety
- Community relations



Physical security attacks


In 2022, there were 163 reported incidents at U.S. substations



SEEKING INFORMATION

SHOOTING OF ELECTRICAL SUBSTATION

Unknown Suspect(s)
Clackamas County, Oregon
November 24, 2022



REWARD

The FBI is offering a reward of up to \$25,000 for information leading to the identification, arrest, and conviction of the suspect(s) responsible for this crime.

DETAILS

The FBI Bureau of Investigation's Portland Field Office is seeking the public's help in identifying the individual(s) responsible for shooting at an energy facility on November 24, 2022. Investigators believe that the suspect(s) targeted the substation because it is a critical part of the Clackamas County Administration Substation in Clackamas County, Oregon. Investigators found a trace in the perimeter fence of the energy plant and discovered bullet holes in several locations.


If you have any information concerning this case, please contact the FBI Portland Field Office at (503) 224-4151, your local FBI office, the nearest American Embassy or Consulate, or you can contact the tip center at tip.fbi.gov.

Field Office: Portland

SEEKING INFORMATION

SHOOTING OF ELECTRICAL SUBSTATIONS

Unknown Suspect(s)
Dallas County, North Carolina
November 3, 2022



REWARD

The FBI is offering a reward of up to \$25,000 for information leading to the identification, arrest, and conviction of the suspect(s) responsible for this crime.

DETAILS

The FBI Bureau of Investigation's Portland Field Office is seeking the public's help in identifying the individual(s) responsible for shooting at an energy facility on November 3, 2022. Investigators believe that the suspect(s) targeted the substation because it is a critical part of the Clackamas County Administration Substation in Clackamas County, Oregon. Investigators found a trace in the perimeter fence of the energy plant and discovered bullet holes in several locations.

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Field Office: Portland



Poll



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Strategies to tackle industry challenges



Safer utilities

Leveraging technology to secure sites



Deter



Assess



Detect



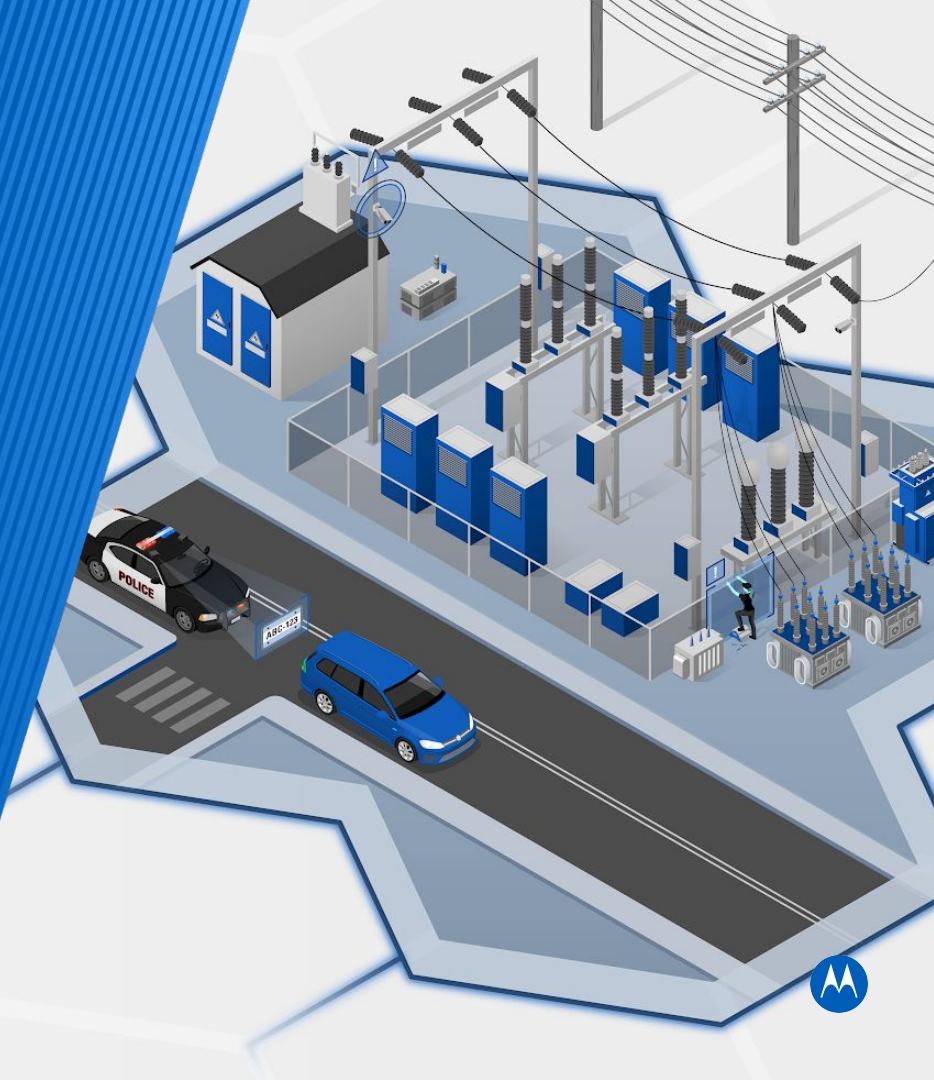
Communicate



Delay



Respond



Safer utilities [Poll]

Leveraging technology to secure sites

Which of these resources is your current #1 priority of investment?

- ☐ Radio communications
- ☐ Fixed video
- ☐ Access control
- ☐ Mobile video (body cameras)
- ☐ Mass notification
- ☐ Sensors
- ☐ Talk-down



Safer utilities

Leveraging technology to secure sites

Deter

License
Plate
Recognition



Fixed
Video



Illumination



Talk-down



Detect

Fixed
Video



Video
Analytics



IP
Sensors



3rd Party
Solution



Delay

Access
Control



Assess

Critical Event
Management



Communicate

Mass
Notification



Land Mobile
Radio



Broadband
PTT



Respond

Body Worn
Cameras



Incident
Management
E-911/CAD/RMS



Timely information for people to make faster decisions,
& **close the response gap**



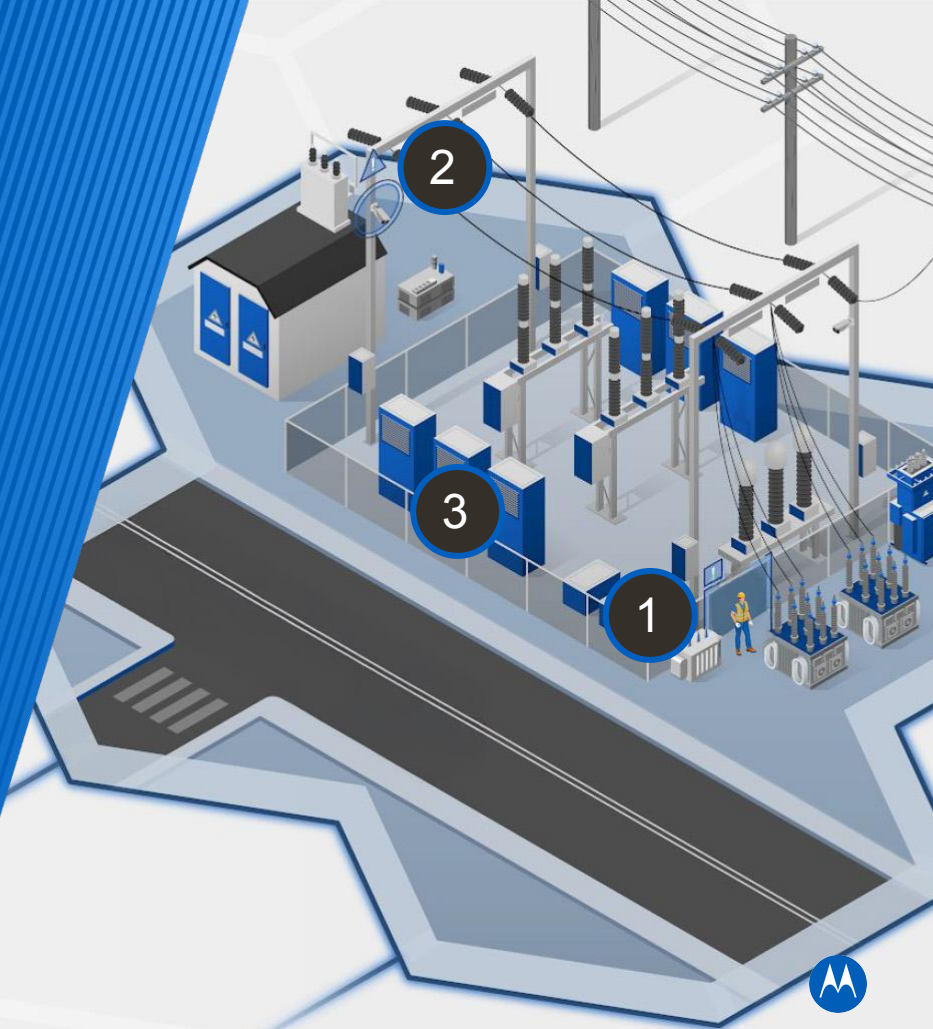
Poll



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Smarter operations

- 1 Worker safety
- 2 Compliance
- 3 Operational efficiency



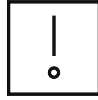
Areas of improvement via connected tech



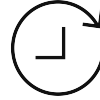
Streamline standard
operating procedures



Automate compliance-
related tasks



Augment human
attention span



Increase operator
efficiency



Unify response



Connected tech outcomes

Safety & security:
Reduce time to response and
risk reduction

Operational excellence:
Equipment uptime, compliance
and process efficiency



We're here to help

Contact us for questions



Matthew Mahanic

Director, Energy Markets



Bryon Wheaton

Senior Specialist, Energy



Connect with our
team of experts





Solving for safer
communities
schools
hospitals
stadiums
businesses
everywhere



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