



# GRIDSEC CON 2024

NERC • E-ISAC • MRO

OCTOBER 22 - 25, 2024

HYATT REGENCY • MINNEAPOLIS

PROGRAM BOOK

# WELCOME

Welcome to Minneapolis for the 13th annual GridSecCon security conference, co-hosted by the North American Electric Reliability Corporation (NERC), the Electricity Information Sharing and Analysis Center (E-ISAC), and the Midwest Reliability Organization (MRO).

You are joining more than 600 of your security peers for three days of learning, collaboration, and networking. GridSecCon features an agenda of sessions led by top cyber and physical security experts on the evolving threat landscape, effective threat mitigation programs, best practices, and more. The event also offers networking opportunities, a space to interact with vendors, and most importantly, a forum to learn from each other.

The Electric Reliability Organization (ERO) Enterprise launched GridSecCon more than a decade ago to provide the industry with a forum for collectively learning and sharing information to better secure the North American bulk power system (BPS).

Since then, threats to the BPS have evolved in ways that early GridSecCon attendees could scarcely have imagined. In 2024, the security of the grid has captured the attention of the public, generating major news stories, government hearings, and discourse among industry leaders. Concerns about potential threats around the U.S. elections have also heightened this focus.

The electric industry faces complex cyber and physical security threats driven by the tactics, tools, and techniques of highly motivated threat actors, including nation-states and domestic violent extremists. Malware, ransomware, and other cyber threats are constantly evolving, jeopardizing both operational and information technology systems. Protecting physical infrastructure from a wide range of threats, such as unmanned aerial vehicles and ballistic attacks on substations, has stretched security teams at utilities large and small.

Despite these challenges, through our collective expertise and information-sharing between industry, government, and vendors, we have successfully worked together to respond to these threats. We also continue to prepare for future challenges, be it artificial intelligence (AI), civil unrest, or unexpected weather, with solutions that are secure-by-design and adaptable.



# WELCOME

GridSecCon 2024 offers not only a look at the current threat landscape but a view into the future.

The conference spotlights keynotes from the Cybersecurity and Infrastructure Security Agency's (CISA) Chief Meteorologist Sunny Wescott and Senior Vice President and Chief Technology Officer Tim Peterson and Executive Vice President and Chief Operations Officer Tim O'Connor of Xcel Energy. Expert panels explore the impact of AI, cross-border perspectives on threats to the grid, and what utilities need to know about preparing for the upcoming U.S. and Canadian elections.

The agenda includes 36 breakout sessions covering topics such as building a threat intelligence program, top operational and information technology risks, physical security trends, and illustrations of real-world security scenarios. (Be sure to download the GridSecCon app to easily access the entire agenda!)

GridSecCon also provides plenty of opportunities to connect, including nightly receptions and the Women's Networking Breakfast.

On Thursday, do not miss the highly anticipated announcement of the recipient of the 2024 E-ISAC Electricity Security Service Award in honor of Michael J. Assante. This award recognizes individuals or teams who have made significant contributions to the security of the North American electricity industry.

Thank you for being a part of GridSecCon. As we face a rapidly changing security environment, this annual conference serves as the perfect forum for bringing the electricity security community together to connect, learn, and prepare for the future. We look forward to a successful conference.



**Sara Patrick**  
President and CEO  
MRO



**Jim Robb**  
President and CEO  
NERC



**Manny Cancel**  
NERC SVP and  
E-ISAC CEO

# QUICK GUIDE

GridSecCon offers many opportunities to learn and connect. This page gives you the resources you need to make the most out of your GridSecCon experience.

## Schedule at a Glance

### Tuesday, October 22 | Training Day

7:00–8:00 a.m.	Buffet Breakfast
8:00 a.m.–Noon	Morning Training Sessions
Noon–1:00 p.m.	Lunch
1:00–5:00 p.m.	Afternoon Training Sessions
5:00–6:00 p.m.	E-ISAC 25th Anniv. Celebration Exhibit Hall Opens

### Wednesday, October 23 | Day 1

7:00–8:00 a.m.	Buffet Breakfast
8:30–12:15 p.m.	General Sessions
Noon–1:30 p.m.	Lunch
1:30–2:30 p.m.	Breakout 1 Sessions
2:45–3:45 p.m.	Breakout 2 Sessions
4:00–5:00 p.m.	Breakout 3 Sessions
5:00–5:30 p.m.	Vendor Affiliate Program Networking Event
5:00–6:00 p.m.	Evening Networking Reception

### Thursday, October 24 | Day 2

7:00–8:30 a.m.	Buffet Breakfast
7:30–8:30 a.m.	Women’s Networking Breakfast
8:30–9:45 p.m.	Morning General Sessions
10:00–11:00 a.m.	Breakout 4 Sessions
11:15–12:15 p.m.	Breakout 5 Sessions
12:15–1:30 p.m.	Lunch
1:30–2:30 p.m.	Breakout 6 Sessions
3:00–5:00 p.m.	Afternoon General Sessions
5:00–5:30 p.m.	Industry Engagement Program Alumni Meet-and-Greet
5:00–6:00 p.m.	Closing Reception

### Friday, October 25 | Day 3

7:00–8:00 a.m.	Buffet Breakfast
8:00–9:30 a.m.	Unclassified Briefing
9:30–2:00 p.m.	Tours

## Download the GridSecCon App



Download the GridSecCon app to stay connected to event information and your fellow attendees. Update your schedule, participate in polls, and play fun games on your phone for cool prizes. Scan the QR Code to get started.

## Connect to WiFi



GridSecCon offers complimentary WiFi to all attendees. To access the WiFi, find SSID: **Hyatt Meeting Space** on your WiFi list and then type in the password **GSC2024**.

## Celebrate 25 Years of the E-ISAC



Join us at our October 22 evening reception as we celebrate the 25th Anniversary of the E-ISAC starting at 5 p.m. in the Exhibit Hall. And don't miss a special video during October 23 morning general session.

## Questions? We Have Answers



GridSecCon staff is available to help with any questions you may have. Please visit the registration area anytime during open conference hours.

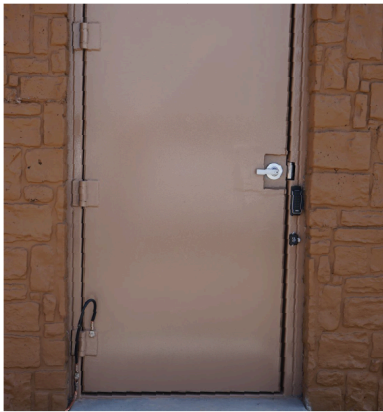


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# AGENDA/OCTOBER 23/DAY 1

## Featured Sessions

### Opening Remarks



**Manny Cancel,**  
Senior Vice  
President & CEO,  
E-ISAC

### Regional Keynote



**Sara Patrick, CEO,**  
Midwest Reliability  
Organization

### Keynote

**Sunny Wescott,**  
Chief Meteorologist,  
Cybersecurity Infrastructure &  
Security Agency

With expertise in predicting weather-related threats to critical infrastructure, Wescott promises to deliver a compelling discourse on this vital subject. Additionally, attendees can anticipate a detailed briefing on the noteworthy weather patterns observed in Minnesota over the past year. Expect a captivating presentation that offers valuable insights into the dynamic interplay between weather and critical infrastructure security.

For a complete list of the day's breakout sessions, consult the GridSecCon Mobile app or ask event staff for a printed agenda.

### Panel 1

#### Exploring AI and Emerging Technology Risks to the Electric Power Grid

##### Moderator:

Sam Rozenberg, KPMG

##### Panelists:

Manny Cancel, E-ISAC

Brian Harrell, Avangrid

Jonathan Homer, CPS Energy

Adam Lee, Dominion Energy

As the electric power grid evolves with advancements in technology and clean energy, the integration of artificial intelligence (AI) and emerging technologies introduces both opportunities and risks. This breakout session at GridSecCon 2024 aims to delve into the critical discussion surrounding the potential risks associated with AI and emerging technologies in the context of the electric power grid.

### Panel 2

#### Resilience in Changing Times: A Cross-Border Perspective on Threats to the Grid

##### Moderator:

Francis Bradley, Electricity Canada

##### Panelists:

Michael Coe, APPA

Kathleen Miller, NRCAN

Sunny Wescott, CISA

North America's electricity system is facing new and evolving threats to resilience and reliability from changing climate, extreme weather and wild fires, as well as physical and cyber security threats. This panel discusses how the electricity system is responding to these challenges across jurisdictions and is preparing for the future.

# AGENDA/OCTOBER 23/DAY 1

## Visit the Exhibit Hall



Stop by the Exhibit Hall to connect with more than 50 exhibitors and learn about the latest technology trends, products, and more. Exhibit Hall hours are from 8 a.m. to 7 p.m. both days.

## Evening Networking Events

After the day's sessions, GridSecCon's evening schedule kicks off at 5 p.m. in the Exhibit Hall with the E-ISAC Vendor Affiliate Program Networking Event. The event features a meet-and-greet with the E-ISAC's Vendor Affiliate Program partner organizations and an opportunity to learn more about the program.

This is followed by the Wednesday Evening Networking Reception beginning at 6 p.m. where you can learn about what our local host city has to offer. Thank you to Microsoft Security for sponsoring this networking event.

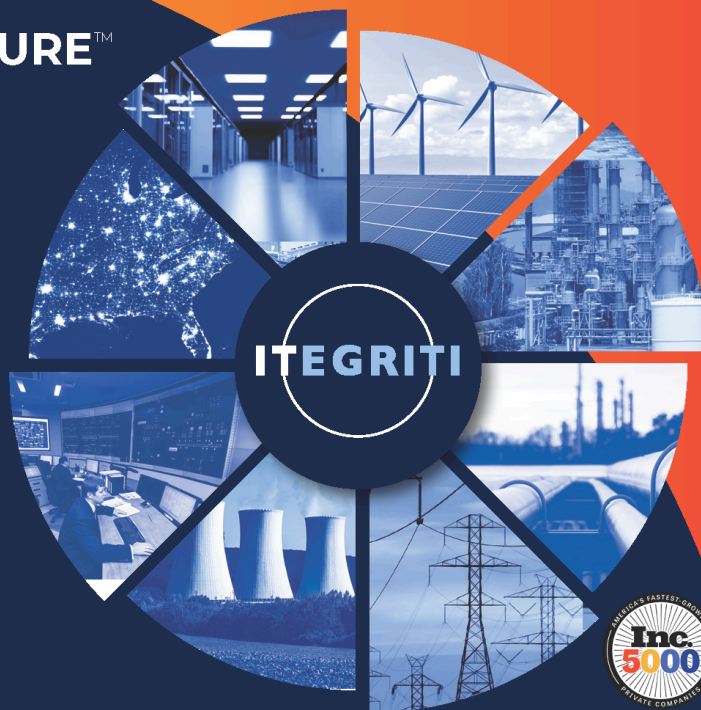
Minneapolis offers great venues for dining, outdoor locations for hiking, and other attractions. Scan the code to learn more.



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# AGENDA/OCTOBER 24/DAY 2

## Morning General Sessions

Opening Remarks    Xcel Energy Fireside Chat



**Jim Robb,**  
CEO, NERC



**Shaun Marion,**  
Chief Security Officer



**Tim O'Connor,**  
EVP and COO

**Panel**  
**Election Security and Securing the Grid: What Utilities Need to Know**

**Moderator:**  
Mathew Duncan, E-ISAC

**Panelists:**  
Timothy Davis, EI-ISAC  
Justin Verbarendse, CISA

This panel discusses what electric utilities need to know to prepare for upcoming U.S. and Canadian elections and how they can better support election security in their communities.

## Afternoon Featured Sessions



**GridEx**  
**Transformed:**  
**Empowering**  
**Utilities of All**  
**Shapes and Sizes**

**Jesse Sythe,**  
GridEx Program  
Manager E-ISAC

GridEx VIII will be held on November 18-19, 2025. Jesse Sythe highlights some key enhancements to the GridEx program and provide an early preview of the GridEx VIII scenario themes.

**Presentation of the 2024 E-ISAC Electricity Security Service Award in Honor of Michael J. Assante and Closing Remarks**



Join us as we gather for closing remarks and the presentation of the prestigious 2024 E-ISAC Award in Honor of Michael J. Assante. Pictured left to right are: Alex Assante and Janet Sena, former SVP of NERC External Affairs, and the 2023 Assante Award winners: Steen Fjalstad, MRO and Steve McElwee, PJM. Jonathan Bransky, Dominion Energy, is not pictured.

For a complete list of the day's breakout sessions, consult the GridSecCon Mobile app or ask event staff for a printed agenda.



# AGENDA/DAY 2/OCTOBER 24

## Women's Networking Breakfast



Colleagues of all roles and genders are invited to the Women's Networking Breakfast. Participants can engage in breakout discussions and networking following the opening remarks. Arrive early to the Northstar Ballroom to grab breakfast, as the speaking program begins at 7:30 a.m.

## Closing Networking Reception

Join colleagues for an evening of networking and reconnecting with both new and old friends as we wrap up the final full day of GridSecCon. Enjoy complimentary light refreshments while you mingle and make lasting connections. Don't miss this opportunity to expand your professional network starting at 5 p.m. in the Exhibit Hall. Thank you 3B Protection for sponsoring this networking event.

## IEP Alumni Meet-and-Greet



Alumni of the E-ISAC's Industry Engagement Program (IEP) are invited to a special meet-and-greet at GridSecCon during the evening networking reception. This will be an opportunity to meet with fellow IEP alumni and E-ISAC staff. Come by the Exhibit Hall at 5 p.m.

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Penetration Test

Working with the Blue Team, this active assessment or simulation of a real-world cyberattack tests an organization's cybersecurity capabilities and exposes vulnerabilities within technology, people and processes.



ICS

Red Team

This simulated, adversarial assessment attempts to identify and exploit weaknesses within an organization's cyber defenses. Detection capability efficacy may also be validated.



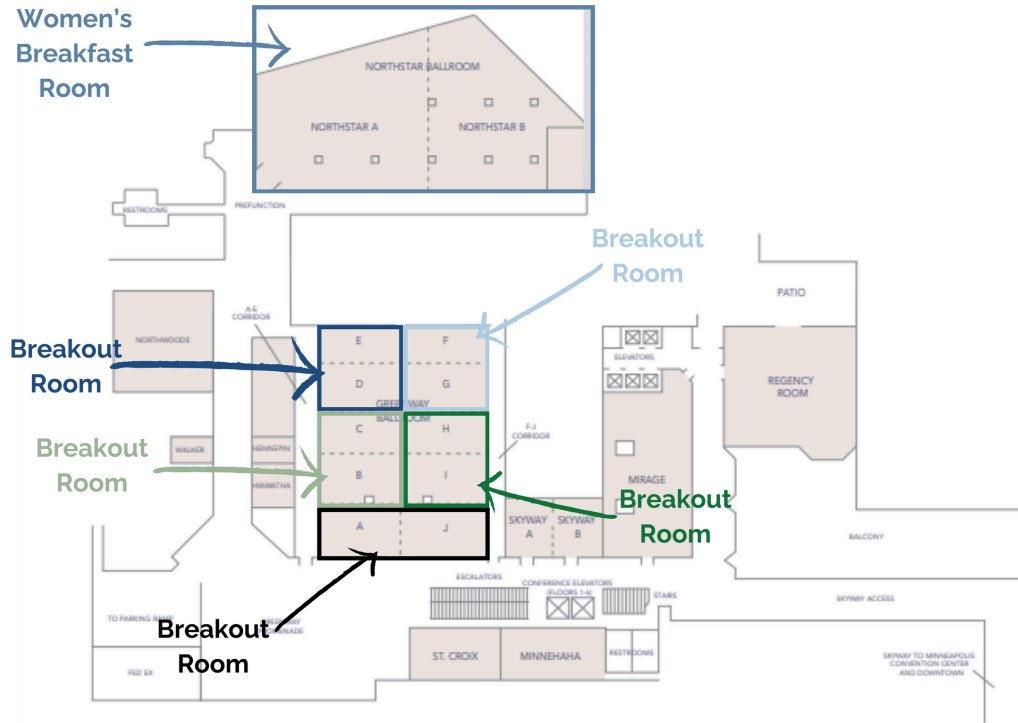
ICS

Purple Team

Working with the Purple Team is a more collaborative approach between the Red Team and the Blue Team. The Blue Team may extend beyond the core ICS cyber team to include site ops, engineering and IT.

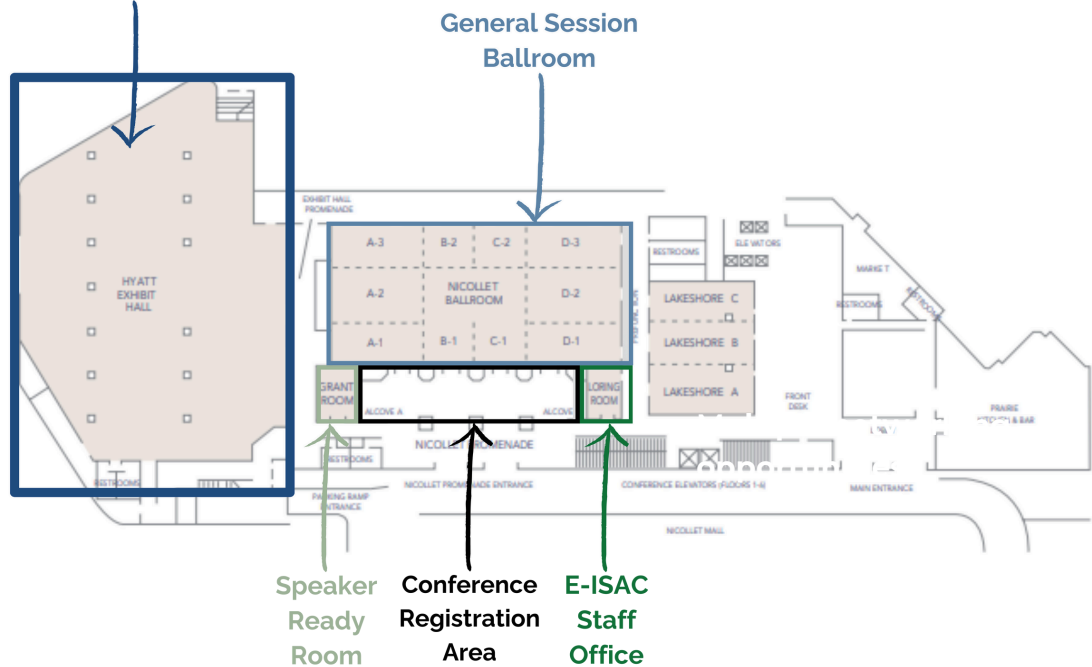
# FLOOR MAPS

## Main Floor



## Second Floor

Exhibit Hall /Break and Meal Area  
/Evening Networking and  
Reception Space

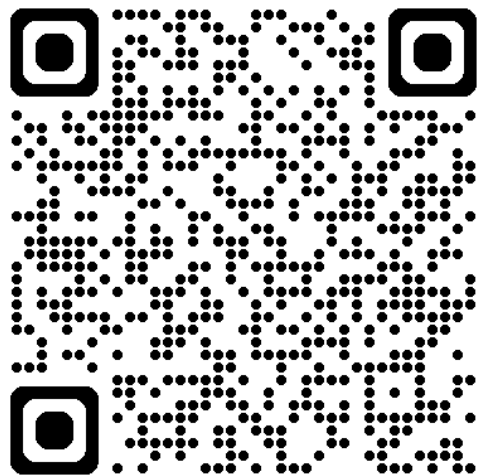


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## FORTINET.

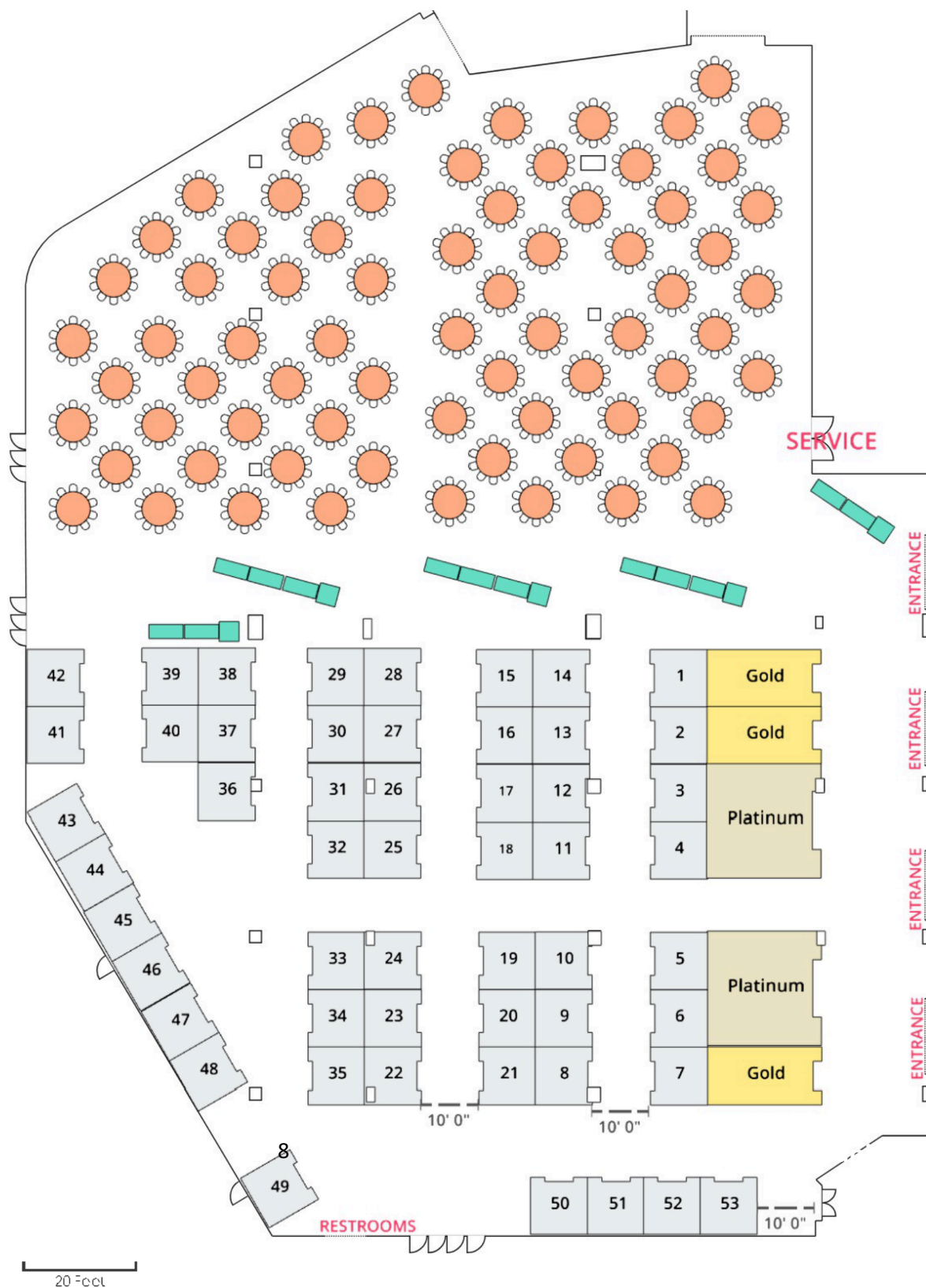
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# EXHIBIT HALL



# EXHIBITORS

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1. SUBNET Solutions Inc.

2. ThreatQuotient

3. EnergySec

4. PKI Solutions

5. KARTA Corp.

6. Convergent

7. Motorola Solutions

8. Fortress Security

9. Barco

10. Fortinet

11. Industrial Defender

12. Sayari

13. CRISP

14. E-ISAC

15. Dragos

16. Foxguard

17. Xona

18. Industrial Defender

19. SANS

20. Parsons

21. ALCEA

22. Archer Energy Solutions

23. Salvador Technologies

24. Verve Industrial

25. Permacast Walls

26. Black & Veatch

27. ServiceNow

28. CAST Lighting

29. Landis+Gyr

30. OPEN NETWORKING SPACE

31. OPEN NETWORKING SPACE

32. Waterfall Security

33. Corelight

34. Deloitte

35. Network Perception

36. AssurX

37. OPEN NETWORKING SPACE

38. Google Cloud

39. PureTech

40. Bastille

41. Sandoval Custom Creations

42. Siemens Energy

43. Echodyne

44. Control Infotech, Inc.

45. AMICO Security

46. Util-Assist Inc.

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# GRIDSECCON 2024

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