RCR Tech Roundtables

AI Infrastructure

October 21st

Ritz-Carlton Los Colinas, Dallas, Tx

Expert minds. Smaller rooms. Bigger ideas.

RCRTech Roundtable AI Infrastructure will provide a unique opportunity for attendees to share experiences and openly discuss the challenges they are currently facing—from powering data centres to deploying edge-based AI. Participants will be encouraged to actively contribute, bringing along real-world issues and scenarios they want to address during the session.

More than just a knowledge exchange, these sessions combine practical experience, peer insight, and cutting-edge thinking to deliver tangible outcomes. Attendees will leave not only with fresh perspectives but with actionable ideas and realistic solutions to tackle their most pressing and fast-evolving challenges.

The roundtables, followed by a networking lunch, are exclusive and by invitation only, with a maximum of 25 participants per roundtable to ensure high-quality, interactive discussions.

Roundtable 1: Powering AI at scale - practical strategies for today's data center energy challenges

As AI workloads grow, so does the strain they place on data center power systems. Many organizations are discovering that the real barrier to scaling isn't compute capacity, it's the ability to deliver reliable, cost-effective and sustainable power at the pace AI demands. Grid queues are getting longer, energy costs are unpredictable, and high-density clusters are pushing traditional power and cooling designs to their limits.

This roundtable brings together key stakeholders to discuss the power challenges facing modern AI data centers and explores what operators can do about them right now. We will dig into the realities of grid constraints, the pressure on electrical infrastructure, and the operational risks that come with running increasingly power-hungry environments. We will also examine and troubleshoot practical approaches that organizations are adopting, including on-site generation,

microgrids, new distribution architectures, and smarter energy-management strategies.

Discussion points

- Power-density characteristics of modern AI clusters - transient load behaviours and implications for upstream electrical design
- Grid connection constraints , transformer lead times, substation design
- Trade-offs between traditional architectures and direct-to-chip power delivery
- Integration of on-site generation
- Liquid cooling options
- Approaches to energy storage integration
- Monitoring and control strategies for maintaining stability in high-density, fluctuating AI environments

Roundtable 2: Delivering AI at scale - navigating the strategic shift toward edge-based inferencing

As AI adoption accelerates, the industry is seeing a shift from large, centralized training clusters to distributed inferencing that runs closer to users, devices, and real-time operations. This move toward edge-based AI is driven by the need for lower latency, reduced backhaul traffic, and faster decision-making, but it also introduces new architectural, operational, and investment considerations for organizations building modern AI infrastructure.

This roundtable examines how inferencing workloads are evolving and what it takes to support them at scale. The discussion focuses on the interplay between compute, connectivity, and placement. We will also examine where inferencing should run, how edge sites fit into the broader AI ecosystem, and what infrastructure is required to deliver consistent performance across distributed environments.

Discussion points

- How inferencing differs from training in terms of workload behavior, latency sensitivity, and deployment models
- The growing role of regional edge sites, micro-edge locations, and distributed compute fabrics
- Network and connectivity requirements for real-time inferencing, including bandwidth, latency, and traffic-flow considerations
- How to decide which workloads belong at the edge versus centralized data centers
- Operational challenges such as lifecycle management, model updates, telemetry, and security across distributed nodes

- Infrastructure strategies that balance performance, cost, and scalability as inferencing volumes grow

AI Infrastructure Network Development Lunch

Following the roundtable discussions, participants are invited to attend the networking lunch.

Forge meaningful connections beyond the boardroom with leading executives and trailblazers at the forefront of AI innovation. This is your chance to build relationships with the minds shaping the next wave of intelligent infrastructure.

Step into an exclusive setting designed for genuine relationship-building with top senior executives. Our curated event offers more than just networking - you are invited to connect on a personal level over exceptional cuisine and thoughtful conversation.