August 26-27 | San Jose, CA www.advancing-data-center-design-engineering.com

## **FINAL TICKETS REMAINING!**

WELCOME

SPEAKERS

# Advancing Data Center Design & Engineering

**Stay at the Forefront of Innovation to Design Cost-Effective, Energy-Efficient & Reliable Data Centers at Scale, Securing Your Competitive Edge** 

## 20+ Expert Speakers Include:



**Haynes Strader** Chief Development Officer **Skybox Datacenters** 



**Dave Buckner** Vice President of Engineering & Development **Sabey Data Centers** 



**Kevin Walker Director of Design Iron Mountain** 



Teresa Lanuza Data Center Electrical **Engineering Lead** TikTok



**Noah Goldstein** Sustainability Lead Google



PARK PLACE IQUID COOLING

2024 Partners:







AGENDA

Unlock the Potential of Cutting-Edge Technologies to Reduce Operational Costs, Latency & Downtime Advancing Data Center Design & Engineering

> August 26-27 San Jose, CA

WELCOME

SPEAKERS

AGENDA

## What Previous Attendees Have to Say of the Advancing Data Center Series:

▲ I thought the caliber of speakers, especially from the owner's side was fantastic! I also really liked the willingness of presenters and audience members to share their lessons learned, even amongst competitors.

### Vice President, **CCI** Mechanical

▲ More intimate event than most conferences, attendees were very involved in the market are knowledgeable, not so vendor heavy for attendance, good number of end users.

Senior Principal, **Syska** Hennessy Group

As Al power consumption will surge by up to 33% in the next five years, rapid innovation is crucial for **reliability and meeting capacity demand**, without compromising carbon reduction targets. Design and engineering teams must stay current with trends to **balance efficiency**, **reliability** and **cost-effectiveness** when incorporating new technologies and equipment.

That's why, the **Advancing Data Center Design & Engineering 2024** conference will unite 80+ Design, Engineering & Standards professionals from data center owners, operators and design firms across the US to discover how to optimize uptime and drive decarbonization across facilities. Benchmark best practices and lessons learned to **increase efficiency** and ensure your designs **remain flexible** in the face of growing AI while keeping cost per megawatt low and accelerate speed to market.

Across 2 days of case-studies, discussions, panels and presentations, join our intimate, interactive and exclusive forum in 2024 and directly connect with peers to ensure you **design high-quality** and **reliable data centers** of tomorrow that operate efficiently and effectively at scale!

## Highlights for 2024 Include:



Optimize Efficiency & Enhance Performance With Liquid Cooling

Gain a comprehensive understanding of liquid cooling solutions to determine the optimal choice based on your facility's needs, address design challenges for resiliency, and navigate environmental and regulatory considerations.

2



### Increase the Reliability of Data Center Power

Understand present and future power availability for strategic design and site selection. Discover methods for on-site power generation to minimize outage risks and explore sustainable power sources to promote environmental responsiveness.



### Meet Capacity Demands Amidst the AI Boom

Learn how to design flexible and efficient facilities for diverse workloads, how to implement adaptive infrastructure management and address power and cooling challenges posed by AI. Increase Speed to Market Through More Efficient Design Processes

Understand how to optimize supply chain, look towards more standardized designs, utilize new technologies and competently manage teams to increase collaboration in the design phase to meet schedules, every time.

### Remain Competitive in a Crowded Market

Unite with leadingedge data center professionals across top owners, operators and design firms to build your network of highly skilled design and engineering professionals, ensuring you can meet the growing demand and pace of the industry.

+1 617 455 4188 @ construction@hansonwade.com In Advancing Construction



# **Your Expert Speakers**



**Haynes Strader Chief Development** Officer Skybox Datacenters



Teresa Lanuza Data Center Electrical Engineering Lead TikTok



**Dave Buckner** Vice President of Engineering & Development Sabey Data Centers

**Noah Goldstein** Sustainability Lead Google



**Ben Hilderbrand Executive Vice** President, Construction T5 Data Centers



**Robbie Sovie Executive Vice** President of Development **T5 Data Centers** 

**David McCall** Vice President of Innovation **QTS Data Centers** 



John Shingler **Executive Vice** President, Data Center Operations **T5 Data Centers** 

Senior Vice President

Data Center

**Kevin Walker** Director of Design

**Iron Mountain** 

Adam Black

of Design &

**TA Realty** 

Construction

August 26-27

San Jose, CA

SPEAKERS

AGENDA

WELCOME

**Craig Pennington** Vice President of Engineering Oracle





President of Mission **Critical Facilities Black & Veatch** 

Simon Eventov

Build

Align

Managing Director,

Data Center Design &

**Drew Thompson** 

Assistant Vice



Donovan O'Callaghan Senior Director of Global Design & Construction **Equinix** 

**Andrew Keplinger** 

Director of Energy &

**QTS Data Centers** 

Innovation



**Jimmy Sneed** Managing Director of Critical Facilities WB Engineers & Consultants

**Charlie Sellars** Director of Sustainability -**Cloud Operations &** Innovation Microsoft



**Miranda Gardiner Executive Director iMasons Climate** Accord

**Jackson Metcalf** 



**Phil Fischer** Director of Data Centers & Critical Facilities **Black & Veatch** 

Kunal Desai

Google

Senior Manager of

**Facilities Engineering** 



Kent Andersson **Program Controls** Director **Yondr Group** 

**Matt Koukl** Principal, Market Leader & Project Manager of Mission Critical **Affiliated Engineers** 



Senior Associate -Global Critical Facilities, Practice Area Lead & **Design Manager** Gensler

**Aarth Jarmarwala** Lead Global Design & Construtability **Compass Data** Centers

**Rothi Bhattacharyya** 

**Design Professional** 

**HKS** 



3

Anahita Mouro **Global Program Lead Field Quality** Google



Josh Li GM & Lead, Two Phase Immersion Cooling **Marathon Digital** Holdings



PARTNER WITH US

**C** +1 617 455 4188 @ construction@hansonwade.com in Advancing Construction 🕲 www.advancing-data-center-design-engineering.com

Advancing



# **Conference Day One** Monday August 26, 2024

7.00

8.00



San Jose, CA

WELCOME

SPEAKERS

### **Refreshments & Registration**

**Miranda Gardiner Executive Director iMasons Climate** Accord

**Chair's Opening Remarks** 

### Enhance Efficiency & Operational Reliance With Liquid Cooling

### Understanding the Design Challenges & Considerations for Liquid Cooling to Effectively Design for 8.10 **Resiliency & Reduce Downtime**

- Evaluating the space and infrastructure adjustments needed to implement liquid cooling and how different systems interact
- Ensuring compatibility with existing data center infrastructure to seamlessly retrofit new technologies into legacy facilities
- · Keeping in mind operational considerations when designing for liquid cooling to ensure ease of day-to-day functioning and management of your data centers



**Robbie Sovie** Executive Vice President of Development T5 Data Centers



Ben Hilderbrand Executive Vice President, Construction **T5 Data Centers** 



John Shinaler Executive Vice President, Data Center Operations T5 Data Centers

### Scaling Liquid Cooling Across Your Portfolio to Future-Proof the Performance 8.50 of Your Facilities Donovan O'Callaghan Standardizing solutions across your portfolio to leverage pre-established processes and Senior Director of templates **Design & Construction** Providing clear guidelines and requirements to designers and engineers to reduce ambiguity Equinix and accelerate project timelines Implementing centralized monitoring and management systems to efficiently oversee cooling infrastructure across multiple facilities 9.30 Evaluating the Pros & Cons in Cost, Efficiency, Operationality & Constructability of Liquid Cooling Solutions to Best Suit Facility Requirements **Matt Koukl** · Highlighting what types of liquid cooling, from single-phase immersion cooling to direct-to-Principal, Market chip cooling, are coming to the forefront to holistically understand the space Leader & Project · Assessing the cost of each solution to see if they are a commercially viable option Manager of Mission · Exploring the differences in temperatures and fluids between each solution to see which are Critical **Affiliated Engineers** most energy efficient and flexible . Knowing when to choose one option over the other: which one best meets your density and operational requirements and when should you transition from air-based cooling solutions? 10.10 Morning Refreshments & Speed Networking 10.50 Case Study: Leveraging Two-Phase Immersion Cooling (2PIC) in AI/HPC Data **Center Design to Maximize Efficiency** Josh Li · Empowering modular design: hosts two 2PIC tanks per 20' container, scaling infrastructure GM & Lead, Two Phase efficiently Immersion Cooling Enabling extreme power density: accommodates up to 768 Nvidia H100s per container. **Marathon Digital** maximizing computational power **Holdings** · Driving cost efficiency: fluid stabilization extends component lifespan, reducing operational costs compared to air-cooled designs **Exploring Power Procurement & Delivery to Design for Optimal Uptime** Case Study: Looking Towards Onsite Power Generation to Mitigate Risk & Ensure Reliability During Outages 11.30

- Addressing how to decrease reliance on utilities to mitigate risks with potential grid failures or delays in power delivery
- Increasing onsite power equipment and products in the face of constraints and examining how to factor onsite power generation into your overall designs
- Giving back to the grid: how can the energy saved through operating efficiency be fed back into the grid in times of short supply?

**Drew Thompson** Assistant Vice President of Mission Critical **Black & Veatch** 

**C** +1 617 455 4188





**Phil Fischer** Director of Data Centers & Critical Facilities **Black & Veatch** 

@ construction@hansonwade.com in Advancing Construction

www.advancing-data-center-design-engineering.com



PARTNER WITH US

# **Conference Day One** Monday August 26, 2024



San Jose, CA

WELCOME

12:10       Networking Lunch         Haynes Strater Chief Development Officer       1.0       Understanding Current & Future Power Availability at the influence on Site Subtor Discontents         Stybor Discenters       - Crasting functional partnerships between utilities, developers and users         Development Officer       - Crasting functional partnerships between utilities, developers and users         Jimmy Sneed Managing Director of Critical Facilities WB Engineers & Critical Facilities WB Engineers & Critical Facilities WB Engineers & Critical Facilities WB Engineers & WB Enginers & WB Engineers & WB Engineers & WB Engi			
110       Understanding Current & Future Power Availability & the influence on Site Stection to Know Where to Build         Chief Development Officer       - Graining insights into present and Alture availability indifferent regions to ensure there is ensure information by book officer and the availability optimal locations to build data centers based on power availability, cost and reliability         Stybox Datacenters       - Creating functional partnerships between utilities, divelopers and users         Jimmy Sneed Manager Director of Order provides and manager of the energy risk.       - Social fast and the energy risk.         Jimmy Sneed Manager Director of Order provides and the energy risk.       - Social fast and the energy risk.         David McCall Vice Presiden of The energy risk.       - Social fast and the energy risk.         Other Presiden of The energy risk.       - Managing public perception book data associated risk.         David McCall Vice Presiden of The energy risk.       - Managing public perception power plants into gradient with behind the-meter locations to leverage new or existing infrastructure         Create Presiden of The energy risk.       - Bosting Today & in the Future         Order Presiden of The energy risk.       - Bosting Today & in the Future         Order Presiden of The energy risk.       - Bosting Today & in the Future         Order Presiden of The energy risk.       - Bosting Today & in the Future         Order Presiden of The energy risk.       - Bosting Today & in the Future         Or		12.10	Networking Lunch
Benchmarking Sustainable Power Sources to Encourage Environmental Responsibility         Jimmy Sned Managing Director of Critical Facilities WB Engineers & Consultants       1.50       Fireside Chat: Spotlighting the Adoption of Nuclear Power: Is it Viable & How Will it Impact Design?         David McCall Vice President of Incorport and the energy mix       • Exploring nuclear as an alternative power source to ensure uninterrupted, cleaner powe supply         • Addressing challenges related to permitting and regulatory approvals to accelerate its integration into the energy mix         • David McCall Vice President of President of Engineering       • Exploring nuclear power plants or integration with behind-the-meter locations to leverage new or existing infrastructure         Craig Pennington Vice President of Engineering Oracle       Designing Flexible Facilities to Meet Demands of Increased AI & Machine Learning Today & in the Future         • Locking at onsite nuclear power plants or integration capabilities to incorporate new hardware and equipment as requirements and technologies evolve         • Designing With flexible equipment integration capabilities to incorporate new hardware and equipment as and technologies evolve         • Dave Buckner Vice President of Engineering & Development Sebry Dat Centers       • Optimizing Supply Chain During the Design Phase to Avoid Change Orders & Delays in Construction         • Dave Buckner Vice President of Engineering & Development sabely bat Centers       • Optimizing Supply Chain fik assessments to identify potential bottlenecks and terms with long lead times to proactively mitigate rick in the design phase <td< td=""><td>Haynes Strader Chief Development Officer Skybox Datacenters</td><td>1.10</td><td><ul> <li>Understanding Current &amp; Future Power Availability &amp; the Influence on Site Selection to Know Where to Build</li> <li>Gaining insights into present and future availability in different regions to ensure there is enough power from utilities to meet increasing demand</li> <li>Creating functional partnerships between utilities, developers and users</li> <li>Implementing advanced forecasting models to accurately project power demand</li> <li>Utilizing advanced mapping tools to identify optimal locations to build data centers based on power availability, cost and reliability</li> </ul></td></td<>	Haynes Strader Chief Development Officer Skybox Datacenters	1.10	<ul> <li>Understanding Current &amp; Future Power Availability &amp; the Influence on Site Selection to Know Where to Build</li> <li>Gaining insights into present and future availability in different regions to ensure there is enough power from utilities to meet increasing demand</li> <li>Creating functional partnerships between utilities, developers and users</li> <li>Implementing advanced forecasting models to accurately project power demand</li> <li>Utilizing advanced mapping tools to identify optimal locations to build data centers based on power availability, cost and reliability</li> </ul>
Jimmy Sneed Minaging Director of Critical Facilities WB Engineers & Consultants       1.50       Fireside Chat: Spotlighting the Adoption of Nuclear Power: Is it Viable & How Will it Impact Design?         Divid McCall Vice President of Innovation arts Data Centers       • Exploring nuclear as an alternative power source to ensure uninterrupted, cleaner powe supply         Origin MicCall Vice President of Innovation arts Data Centers       • Addressing challenges related to permitting and regulatory approvals to accelerate its integration into the energy mix         Craig Pennington Vice President of Engineering Oracle       • Accelerating Speed to Market         3.00       Designing Flexible Facilities to Meet Demands of Increased AI & Machine Learning Today & in the Future         • Future-profing facilities with multi-purpose infrastructure that supports both traditional computing and diverse workloads, to accommodate a wide range of customer specifications         • Deve Buckner Vice President of Engineering Oracle       • Othimizing Supply Chain During the Design Phase to Avoid Change Orders & Delays in Construction         • Dave Buckner Vice President of Engineering & Oracle       • Othimizing Supply Chain During the Design Phase to Avoid Change Orders & Delays in Construction         • Oracle Theme The Subsymmet Assessments to identify potential bottlenecks and items with long lead times to practively mitigate risk in the design phase • Implementing adjetive infrastructure management to project specifications based on equipment availability to reduce change order bottlenecks         • Conducting thorough supply windita track Across Design Processes to Meet Project Suborati	Benchmarking Sus	tainabl	e Power Sources to Encourage Environmental Responsibility
Accelerating Speed to Market         Sole       Designing Flexible Facilities to Meet Demands of Increased AI & Machine Learning Today & in the Future         Vice President of Space	Jimmy Sneed Managing Director of Critical Facilities WB Engineers & Consultants David McCall Vice President of Innovation QTS Data Centers	1.50	<ul> <li>Fireside Chat: Spotlighting the Adoption of Nuclear Power: Is it Viable &amp; How Will it Impact Design?</li> <li>Exploring nuclear as an alternative power source to ensure uninterrupted, cleaner power supply</li> <li>Addressing challenges related to permitting and regulatory approvals to accelerate its integration into the energy mix</li> <li>Managing public perception to educate on modern safety features and designs, dispelling concerns about associated risks</li> <li>Looking at onsite nuclear power plants or integration with behind-the-meter locations to leverage new or existing infrastructure</li> </ul>
3.00       Designing Flexible Facilities to Meet Demands of Increased AI & Machine Learning Today & in the Future         Craig Pennington Vice President of Engineering Oracle          - Future-proofing facilities with multi-purpose infrastructure that supports both traditional computing and diverse workloads, to accommodate a wide range of customer specifications - Designing with flexible equipment integration capabilities to incorporate new hardware and equipment as requirements and technologies evolve - Implementing adaptive infrastructure management systems to allow for real-time monitoring and optimization of AI and machine learning workloads         Dave Buckner Vice President of Engineering & Development Sabey Data Centers           3.40          Optimizing Supply Chain During the Design Phase to Avoid Change Orders & Delays in Construction          2.00          Parel: Exploring Strategies for Accelerating Speed to Market Across Design Processes to Meet Project Requirements on Time           - Ensuring customer commitment of all major factors, such as power, equipment and financing, to fast-track decision making inclusion graduzie of designs and templates to increase speed of deployment             - Utizing strategies for Accelerating Speed to Market Across Design Processes to Meet Project Requirements on Time             - Ensuring customer commitment of all major factors, such as power, equipment and financing, to fast-track decision making in design             - Implementing streamlined design processes to optimize workflows and eliminate inefficiencies             - Utizing strandardized designs and temp			Accelerating Speed to Market
3.40       Optimizing Supply Chain During the Design Phase to Avoid Change Orders & Delays in Construction         Pave Buckner Vice President of Engineering & Development Sabey Data Centers       - Conducting thorough supply chain risk assessments to identify potential bottlenecks and items with long lead times to proactively mitigate risk in the design phase         200       Panel: Exploring Strategies for Accelerating Speed to Market Across Design Processes to Meet Project Section         201       Panel: Exploring Strategies for Accelerating Speed to Market Across Design Processes to Meet Project Section         202       Panel: Exploring Strategies for Accelerating Speed to Market Across Design Processes to Meet Project Section         203       Panel: Exploring Strategies for Accelerating Speed to Market Across Design Processes to Meet Project Section         204       Development of all major factors, such as power, equipment and financing, to fast-track decision making in design         205       Neight         206       Panel: Exploring Strategies for Accelerating Speed to deployment         207       Neight         208       Neight         209       Panes Strader Chief Development Officer Supply Chain Curve Section         201       Neight         202       Panes Strader Chief Development Officer Supply Chain Curve Director Supply Chain Curve Director Supply Chain Curve Director State Cord         203       Niranda Gardiner Execurve Director Supply Chain Curve Director State Curve	Craig Pennington Vice President of Engineering Oracle	3.00	<ul> <li>Designing Flexible Facilities to Meet Demands of Increased AI &amp; Machine Learning Today &amp; in the Future</li> <li>Future-proofing facilities with multi-purpose infrastructure that supports both traditional computing and diverse workloads, to accommodate a wide range of customer specifications</li> <li>Designing with flexible equipment integration capabilities to incorporate new hardware and equipment as requirements and technologies evolve</li> <li>Implementing adaptive infrastructure management systems to allow for real-time monitoring and optimization of AI and machine learning workloads</li> </ul>
<ul> <li>20 Panel: Exploring Strategies for Accelerating Speed to Market Across Design Processes to Meet Project Requirements on Time</li> <li>Ensuring customer commitment of all major factors, such as power, equipment and financing, to fast-track decision making in design</li> <li>Implementing streamlined design processes to optimize workflows and eliminate inefficiencies</li> <li>Utilizing standardized designs and templates to increase speed of deployment</li> <li>Haynes Strader Chief Development Officer Skybox Datacenters</li> <li>Miranda Gardiner Executive Director iMasons Climate Accord</li> <li>5.00 Chair's Closing Remarks</li> <li>5.10 End of Conference Day One</li> </ul>	Dave Buckner Vice President of Engineering & Development Sabey Data Centers	3.40	<ul> <li>Optimizing Supply Chain During the Design Phase to Avoid Change Orders &amp; Delays in Construction</li> <li>Conducting thorough supply chain risk assessments to identify potential bottlenecks and items with long lead times to proactively mitigate risk in the design phase</li> <li>Implementing agile design iterations for adjustment to project specifications based on equipment availability to reduce change order bottlenecks</li> <li>Cultivating strong relationships with vendors to foster open communication and collaborative problem-solving</li> </ul>
Wiranda Gardiner       5.00       Chair's Closing Remarks         Misaons Climate       5.10       End of Conference Day One	<ul> <li>20 Panel: Exploring Str Requirements on Ti</li> <li>Ensuring customer continue in design</li> <li>Implementing stream</li> <li>Utilizing standardized</li> </ul>	rategies me ommitmen Ilined desig d designs a	for Accelerating Speed to Market Across Design Processes to Meet Project t of all major factors, such as power, equipment and financing, to fast-track decision making gn processes to optimize workflows and eliminate inefficiencies and templates to increase speed of deployment
Miranda Gardiner         Executive Director         iMasons Climate         Accord         5.10         End of Conference Day One	Hayne Chief E Skybo	<b>s Strader</b> Developme <b>x Datacen</b>	ent Officer ters Kevin Walker Director of Design Iron Mountain Kent Andersson Program Controls Director Yondr Group
5.10 End of Conference Day One	Miranda Gardiner Executive Director iMasons Climate Accord	5.00	Chair's Closing Remarks
		5.10	End of Conference Day One

+1 617 455 4188 @ construction@hansonwade.com in Advancing Construction
 www.advancing-data-center-design-engineering.com

5



# **Conference Day Two** Tuesday August 27, 2024

7.30

### **Refreshments & Registration**

**Miranda Gardiner Executive Director iMasons Climate** Accord

**Chair's Opening Remarks** 8.30

### Looking Towards More Sustainable Design to Meet Net Zero Goals

### 8.40

### Panel: Focusing on Sustainable Materials to Reduce Carbon Footprint & Meet Carbon Neutrality Goals

- · Addressing how corporate GHG commitments are incorporated into data center design, construction and operations
- Connecting greenhouse gas measurement to data center material and equipment procurement including use of design specifications, utilization of advanced software, and research/tracking methods
- Discussing what we can do as an industry to drive change, from the inside, and as a group



### **Charlie Sellars**

Director of Sustainability -**Cloud Operations & Innovation Microsoft** 



Noah Goldstein Sustainability Lead Google



**Miranda Gardiner Executive Director** iMasons Climate Accord

- Audience Discussion: Achieving Efficiency in the Face of AI: Can We Remain Sustainable & 9.20 **Reliable at Scale?** 
  - · Understanding how we continue to meet sustainability goals with increased densities to not drop the ball as we increase deployments
  - Calculating realistic efficiency rates upfront to ensure operational rates match in reality
  - · Coordinating priorities between client and design teams to review the appropriate trade-offs in things like water and power, especially in constrained locations

### **Morning Refreshments** 10.00

### Effectively Working With Project Partners to Streamline Design Decisions

### Managing Client-Designer Relationships Effectively to Increase Quality & 10.40 Consistency of Designs

Adam Black Senior Vice President of Design & Construction **TA Realty** 

- Establishing trusted partnerships with experienced teams with in-depth market knowledge to access valuable insights for higher-quality designs
- Implementing dedicated communication channels and project management tools to facilitate efficient interaction to ensure prompt responses, reviews and decision making
- · Bridging the gap between interior and site design teams to better understand each discipline for increased design optimization
- Understanding how to effectively manage cross-regional and global design teams to streamline and standardize design processes

### 11.20 Panel: Optimizing Project Delivery With Design Build to Enhance Collaboration Between Project Teams

- · Fostering early collaboration between client and design teams to ensure designs are optimized for constructability
- · Setting out design parameters early to avoid rework and accelerate project timelines
- Implementing value engineering principles throughout the design-build process to optimize project costs without sacrificing on quality or functionality
- Leveraging iterative design cycles and feedback loops between teams to adapt to changing project requirements



6

**Kunal Desai** Senior Manager Facilities Engineering Google



Anahita Mouro Global Program Lead Field Quality Google



Simon Eventov Managing Director, Data Center Design & Build Align

12.00 Lunch SPEAKERS

August 26-27

San Jose, CA

AGENDA

PARTNER WITH US

**(**) +1 617 455 4188 construction@hansonwade.com in Advancing Construction
 🕲 www.advancing-data-center-design-engineering.com





## **Conference Day 2** Tuesday 27 August, 2024



# WELCOME

### Revolutionizing the Way We Design to Keep Up With Evolving Needs



1 00

1.40

**Jackson Metcalf** Senior Associate Global Facilities, Practice Area Leader & Design Manager Gensler

### Introducing AI & Automation Into the Design Process to Work More Efficiently

- · Utilizing AI algorithms to iteratively optimize design parameters such as layout and material selection to reduce manual efforts
- Employing generative design to explore a vast range of design alternatives to facilitate creativity
- · Incorporating predictive modeling to forecast performance metrics and clash detection to identify potential design flaws for proactive issue resolution

# SPEAKERS

### Case Study: Leveraging Parameterized Automation to Construct Information-Driven Digital Twins: Enhancing Design and Delivery Efficiency

- · Using advanced 3D modeling techniques to create highly detailed digital representations to enhance visualization and comprehension of complex structures
- · Enabling all stakeholders to access and manipulate digital twin models in immersive virtual environments to foster greater transparency and alignment
- · Integrating real-time data into digital twin models to provide up-to-date information on asset performance

Aarth Jarmarwala Global Design & Constructibility Review Specialist **Compass Data** Centers

Rothi Bhattacharyya

**Design Professional** 

HKS

### Fireside Chat: Embracing Prefabrication & Modularization to Effectively 2.20 Scale to Meet Increased Capacity Demand & Speed to Market

- · Understanding how prefabrication will impact the scope of work for designers and design standards
- Adopting modular design to accommodate varying power demands and future scalability requirements
- · Exploring how offsite construction and DfMA is expected to change project delivery and constructibility

## Finding & Upskilling Talent to Drive Industry Growth

### 3.00 Panel: Hiring, Training & Retaining Design Talent to Meet Demand & Stay Competitive

- · Implementing strategic recruitment initiatives, such as engaging with schools or colleges, to attract top design talent
- · Offering internships, apprenticeships or mentor programs to nurture the next generation of designers
- Investing in skill development programs to bridge skill gaps and improve expertise
- Implementing retention strategies beyond competitive compensation such as career advancement and supportive work environments to reduce turnover and motivate your workforce



Adam Black Senior Vice President of

Design & Construction **TA Realty** 



Teresa Lanuza Data Center Electrical Engineering Lead TikTok



**End of Conference** 3.50





# **Partner With Us**



August 26-27 San Jose, CA

## **Innovation Partner**

Park Place Technologies your global data center and networking optimization firm.

We help you and more than 21,000 clients optimize data center budgets, productivity, performance, and sustainability so you can think bigger – and act faster.



CARLISLE

Park Place Technologies removes the complexities of the immersion cooling journey – serving as a single-vendor solution for the entire process. Out turn-key immersion and direct-to-chip cooling solutions bring everything under one roof: procurement of hardware, conversions if necessary, installation, maintenance, monitoring, and disposal or hardware and cooling fluids. For more information, visit

www.parkplacetechnologies.com

## **Innovation Partner**

https://www.carlislesyntec.com/

## **Exhibition Partner**

S T A R C

8

STARC Systems manufactures modular, re-usable temporary containment walls for use in a variety of verticals including healthcare settings when there's a need to protect sensitive occupied areas from the disruption of renovation. Our solution is a much better option than traditional drywall containment which is noisy to build, disruptive to patients and staff and creates lots of harmful dust. STARC's system is quick and quiet to install and 2 people can put up 100' of wall in one hour with no noise or disruption. The sound attenuating foam core eliminates up to 50% of renovation noise. Because it's reusable it can be used on 100's of jobs and pays for itself after 3-5 uses virtually eliminating future containment costs. Our temporary containment system exceeds ICRA Class IV requirements and is ASTM E-84 rated for flame and smoke spread.

### www.starcsystems.com





REGISTER YOUR PLACE

PARTNER WITH US

WELCOME

# **Partner With Us**



# SPEAKERS

**Modular Data** Centers

TIT

Our attendees have highlighted interest in:

to meet the evolving needs of a rapidly expanding digital landscape.



**Your Platform to Forge Lasting Partnerships** 

& Improve Data Center Performance,

**Adaptability & Sustainability** 

focusing on integrating the latest technology to meet the demands of AI into facilities, finding ways (such as modular construction) to further accelerate speed to market, and driving energy efficiency and sustainability

The national demand for state-of-the-art data centers has surged. Data center owners and operators are

From exploring innovative data center designs, discovering efficient solutions for power and cooling or evaluating the latest materials and products on the market, our audience wants to hear from you.





**Power Equipment** 

**Cooling Equipment** 

**Building Products** & Materials

Collaborative **Design Software** 

Construction

# SENIORITY OF ATTENDEES



🛞 www.advancing-data-center-design-engineering.com



9

# **Ready to Register?**

## **3 Easy Ways to Book**



www.advancing-data-center-designengineering.com/take-part/register

Tel: +1 617 455 4188

Email: register@hansonwade.com

## **Secure Your Place Now**

**IMPLEMENT** the latest design trends and innovations, keeping you at the forefront of an ever-evolving landscape



**REIMAGINE** design efficiency through standardization, flexibility, prefabrication and sustainability

**OPTIMIZE** design delivery through enhanced collaboration, automation and team consistency

	Standard Rate	On the Door
Data Center Owners & Operators	\$1,599	\$1,699
Architecture & Engineering Firms, Contractors & Trades	\$1,999	\$2,099
Consultants, Equipment, Materials, Tools & Service Providers	\$2,899	\$2,999

Please visit the website for full pricing options or email construction@hansonwade.com All prices shown in USD.

## **Team Discounts**

- 10% discount 3 Attendees
- 15% discount 4 Attendees
- 20% discount 5+ Attendees

Make the most of the summit by attending with colleagues or registering your team. By attending as a group, you and your colleagues can make the most of the pre-conference workshops and networking sessions to ensure you leave with valuable connections and actionable insights.

VENUE

## Holiday Inn San Jose – Silicon Valley 1350 N First St, San Jose, CA 95112, United States

www.ihg.com/holidayinn/hotels/us/en/san-jose/sjccc/hoteldetail

### **TERMS & CONDITIONS**

10

Full payment is due on registration. Cancellation and Substitution Policy: Cancellations must be received in writing. If the cancellation is received more than 14 days before the conference attendees will receive a full credit to a future conference. Cancellations received 14 days or less (including the fourteenth day) prior to the conference will be liable for the full lee. A substitution from the same organization can be made at any time.

Changes to Conference & Agenda: Every reasonable effort will be made to adhere to the event programme as advertised. However, it may be necessary to alter the advertised content, speakers, date, timing, format and/or location of the event. We reserve the right to amend or cancel any event at any time. Hanson Wade is not responsible for any loss or damage or costs incurred as a result of substitution, alteration, postponement or cancellation of an event for any reason and including causes beyond its control including without limitation, acts of God, natural disasters, sabotage, accident, trade or industrial disputes, terrorism or hostilities.tage, accident, trade or industrial disputes, terrorism or thostilities. Data Protection: The personal information shown and/or provided by you will be

held in a database. It may be used to keep you up to date with developments in your industry. Sometimes your details may be obtained or made available to third parties for marketing purposes. If you do not wish your details to be used for this purpose, please write to Hanson Wade, Eastcastle House, 27/28 Eastcastle Street, London, W1W 8DH WELCOME

SPEAKERS

AGEND/

PARTNER WITH US

s in third astle

• +1 617 455 4188 @ construction@hansonwade.com m Advancing Construction

