

The Big Tech Construction Opportunity for Concrete Producers

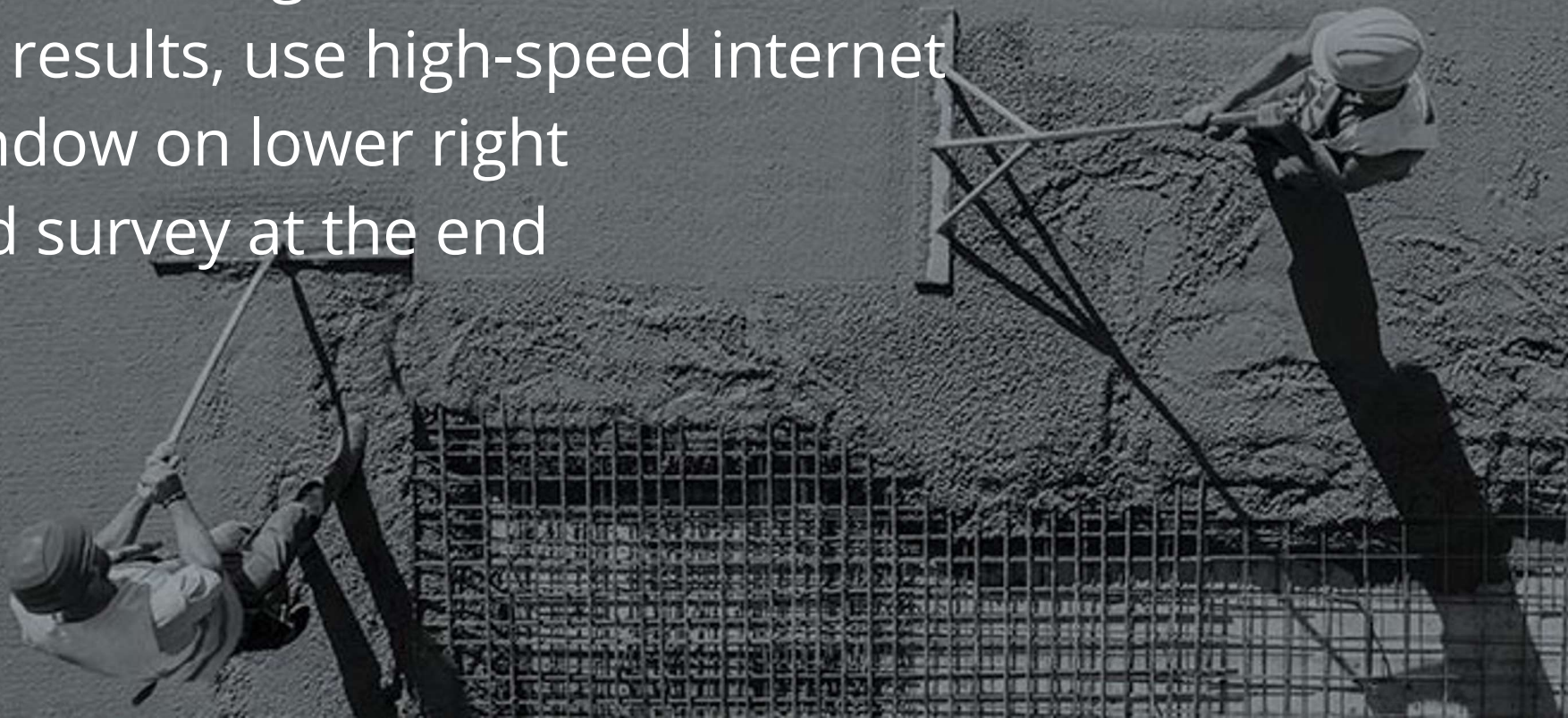


with
LinkedIn®



Thank You for Joining our Webinar!

- You will be muted
- Webinar recording will be shared
- For best results, use high-speed internet
- Chat window on lower right
- Q&A and survey at the end



Disclaimer

This webinar is provided for general information purposes only and does not constitute legal or professional advice. No user should act on the basis of any material contained in the webinar without obtaining proper professional advice specific to their situation.



POLL QUESTION

Did you know?

Embodied carbon is expected to account for **nearly 50%** of the total carbon emissions from new construction over the next 40 years.



Concrete is the most abundant man-made material in the world.

As a result, cement production creates ~**7%** of the world's CO₂ emissions and is one of the **largest contributors** to embodied carbon in the built environment.

Speakers



JENNIFER MITCHELL
Senior Manager
Design Build Workplace, LinkedIn



NANCY NOVAK
Chief Innovation Officer
Compass Datacenters

POLL QUESTION



LinkedIn Headquarters: *The Future of Embodied Carbon*

Jenny Mitchell

Sr. Manager, Design Build Workplace

December 3, 2020





Jenny Mitchell, LEED AP, BD&C
Sr. Manager, Design Build Workplace, LinkedIn

BA, Environmental Studies, Minor Business Administration, San Jose State University
MS, Sustainable Development & Public Policy, University of Illinois
ACI No. CA/Western Nevada Chapter, Board of Directors 2003-2005
NRMCA Certified Concrete Technician, 2003

Implementing Sustainable Concrete at HQ

Project Profile:

- 245,000 sf + parking
- LEED Platinum
- Recycled Water
- 100% Renewable Energy

Sustainable Concrete Solution:

- 15 Concrete Mixes
- Piloted carbon-sequestering technology

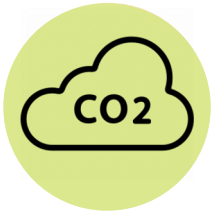
Impact:

- Reduce cement by 70% in some applications
- Avoid 4.8 M pounds of carbon from entering atmosphere



LinkedIn's Corporate Sustainability Commitments

Aligned with Microsoft and Leveraging LinkedIn's Unique Assets



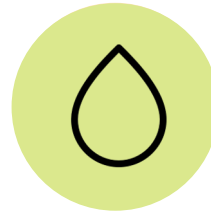
Carbon Negative

Reduce and offset operational carbon by 2030; remove historic carbon by 2050



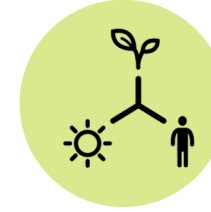
Zero Waste

Drive to Zero Waste certification on LinkedIn campuses by 2030



Water Positive

Reduce water use intensity and replenish watersheds by 2030



Engaged Employees

Empower and mobilize employees in healthy workplaces



Green Economy

Support equitable growth of green skills, green jobs, and green economic data insights



Carbon Negative Pledge

- **1** Reduce 'Scope 3' emissions by 55% by 2030; *(i.e. carbon emissions from our procurement from suppliers, business travel and employee commute)*
- **2** Support efforts by our suppliers and customers to improve their carbon impacts
- **3** Offset all historical emissions by 2050
- **4** Invest in carbon removal and sequestration innovation

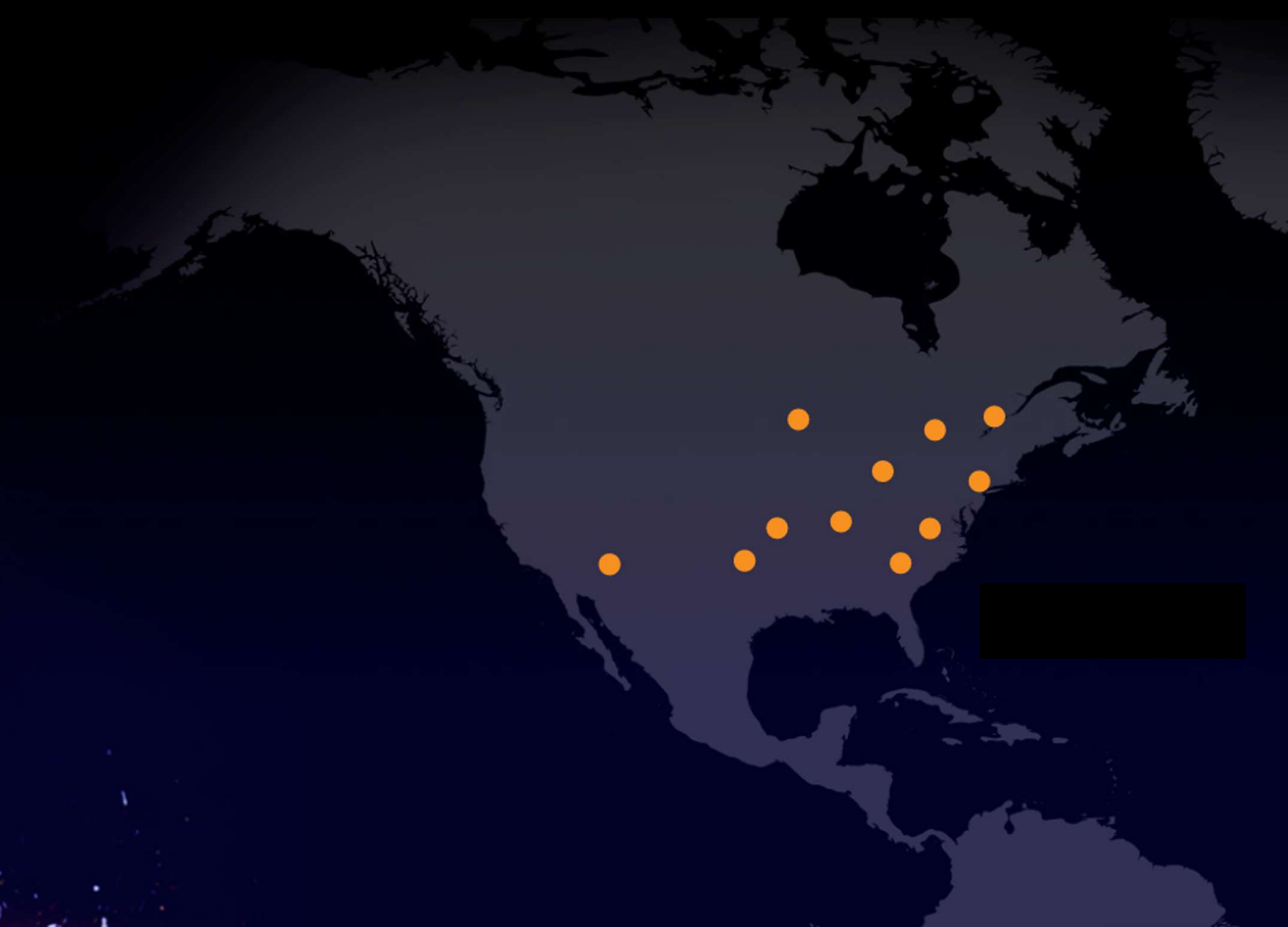


Partners in
Change.....



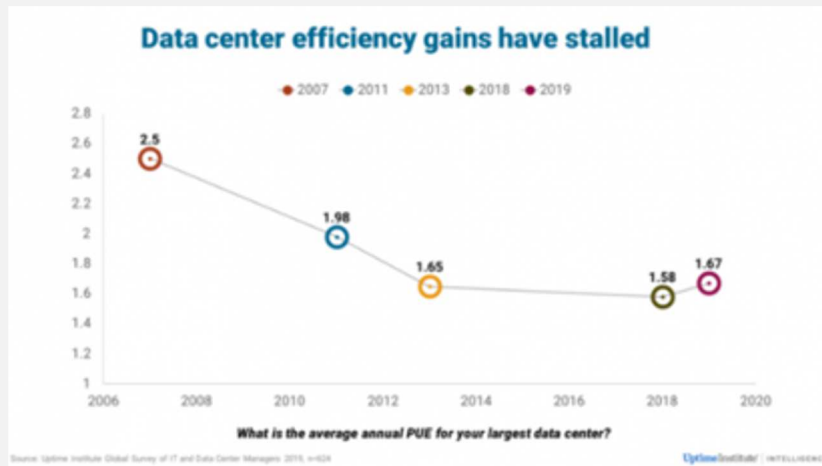
COMPASSTM
datacenters

We Build for
What's Next

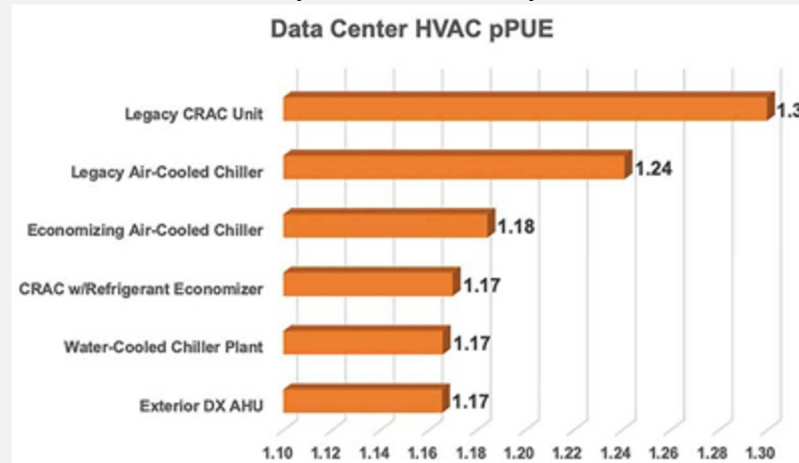


Compass PUE vs Industry

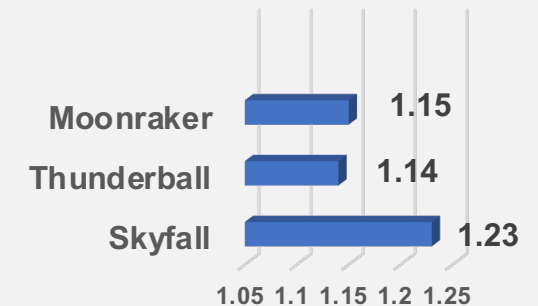
Industry History



Industry Snapshot by Type of Cooling (Ashburn, VA)



Compass Prototypes (Ashburn, VA)



- Annual Power Usage (operating at 100% load):

Compass Moonraker (PUE 1.15):	306,000,000 kWh.
Avg Similar Size Facility (PUE 1.67):	445,000,000 kWh

- Carbon Footprint (estimates from 42U.com):

Compass Moonraker (PUE 1.15):	185,000 Tons
Avg Similar Size Facility (PUE 1.67):	270,000 Tons

Compass Datacenters Announces Use of CarbonCure™ Concrete

Estimated CO₂ savings from CarbonCure: An average of 1,800 tons per campus.
That's equivalent to the CO₂ sequestered by 2,100 acres of forest or driving 4M miles.



As seen in:



Environment
+ Energy
LEADER

CONCRETE
CONTRACTOR.

FOR
Construction
PROS.com™

Diversity

Our CM Roles are Unprecedented

With only 9% of all construction roles held by women,

And only 3% of trade workers held by women

... resulting in only 1% of Executive Level positions held by women

Compass has brought amazing results using our process for training and oversight

LinkedIn – Mountain View, CA

Campus headquarters building

240,000 lbs CO₂ saved with CarbonCure

4.8 million lbs CO₂ saved through concrete innovation

Supplier:

Central Concrete Supply Co.,
a business unit of U.S. Concrete

Architect:

STUDIOS Architecture

Building Description:

245,000 ft² office building
and parking garage





**CARBON
CURE™**



THANK YOU!

CarbonCure beneficially repurposes carbon dioxide (CO₂) to reduce the carbon footprint of concrete without impacting concrete performance.



www.carboncure.com



@CarbonCure



CarbonCure-Technologies



CarbonCure.Technologies