



The bridge to possible

# The Road to Net-Zero

IT solutions to sustainability challenges

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*The time  
is now*

About half of emissions cuts must  
be in place by 2030 to keep  
warming below 1.5°C by 2100



## *Green IT*

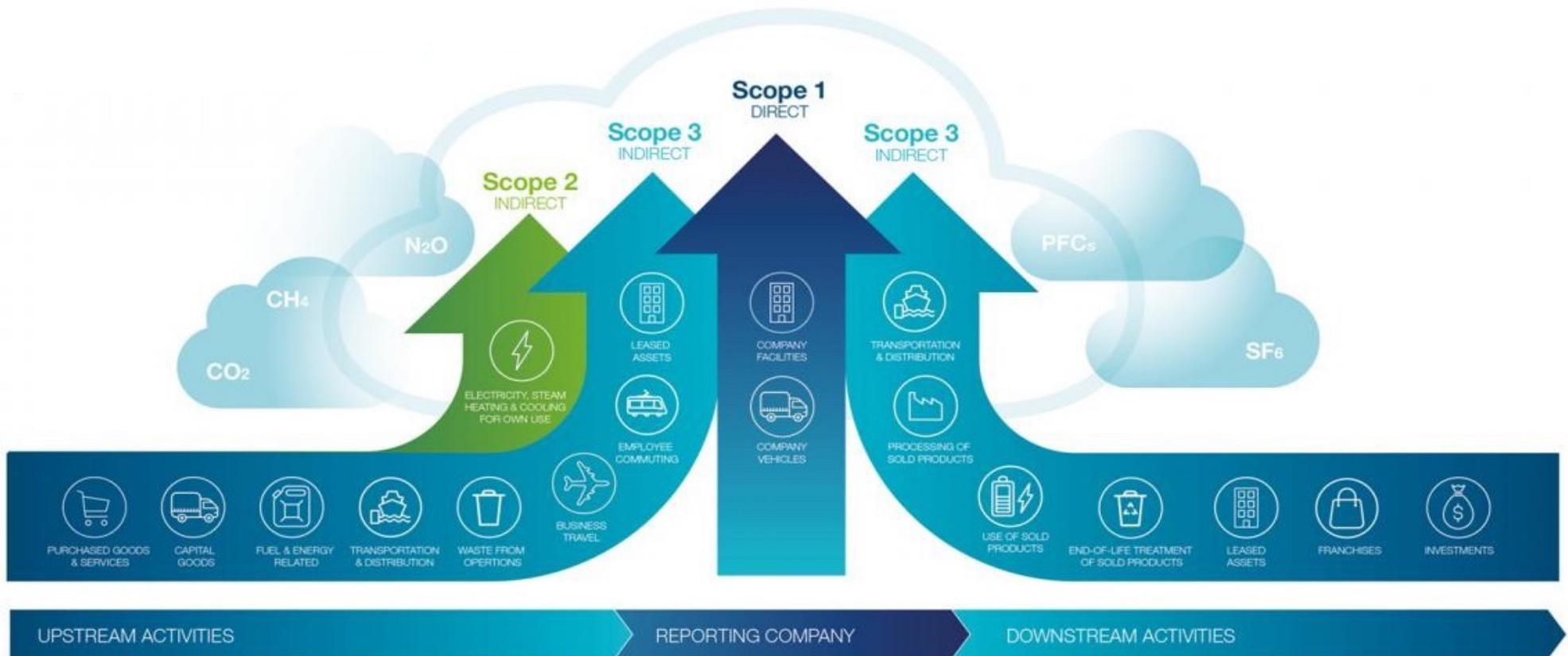
Enhance and optimize the IT footprint  
– maximize energy efficiency, reduce environmental impact, increase circularity and recyclability



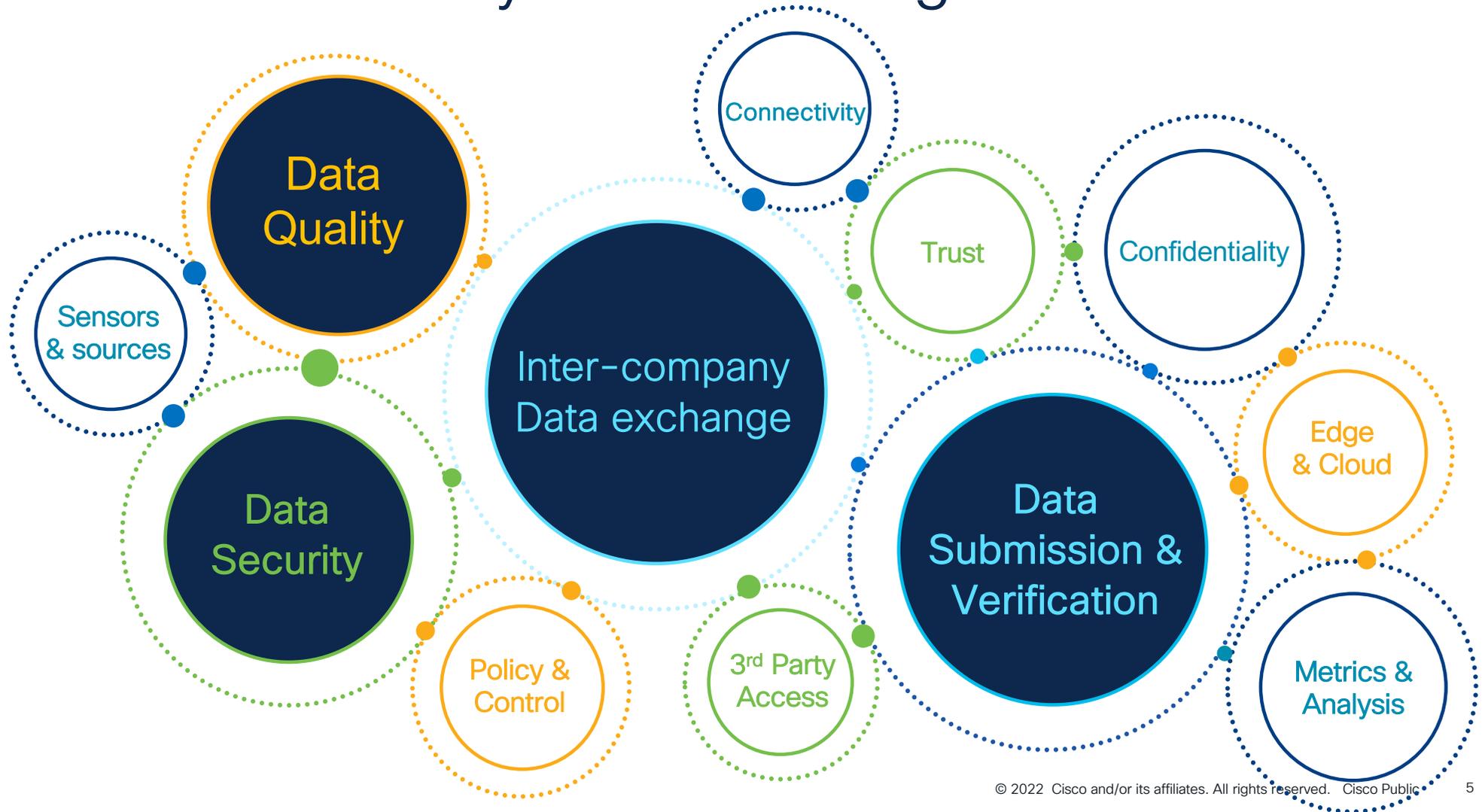
## *IT for Sustainability*

Decarbonization through digitization –  
IT as the foundation for innovative solutions applied across the business to advance Net Zero plans

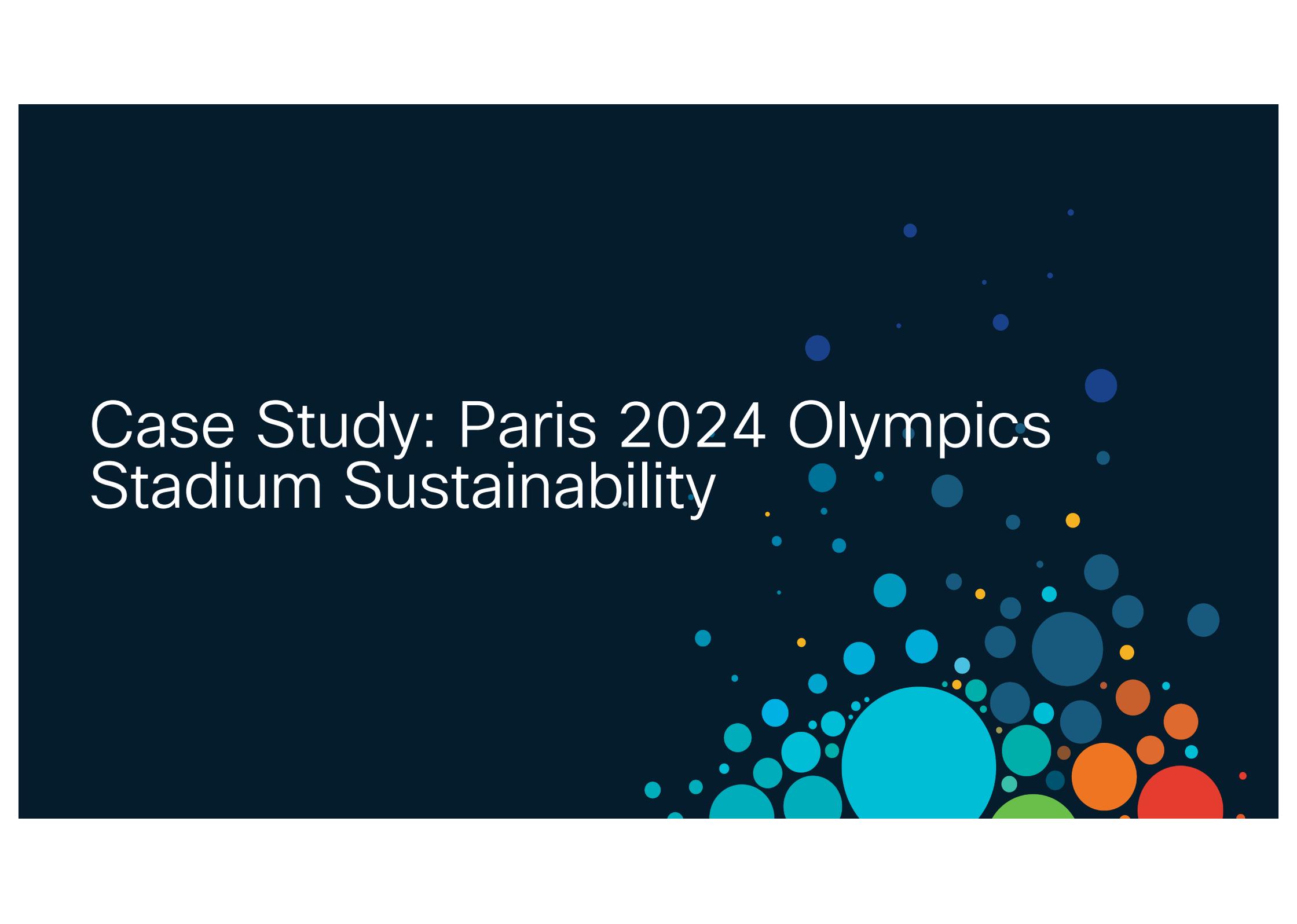
# Scope emissions



# The Sustainability Data Challenge



# Case Study: Paris 2024 Olympics Stadium Sustainability

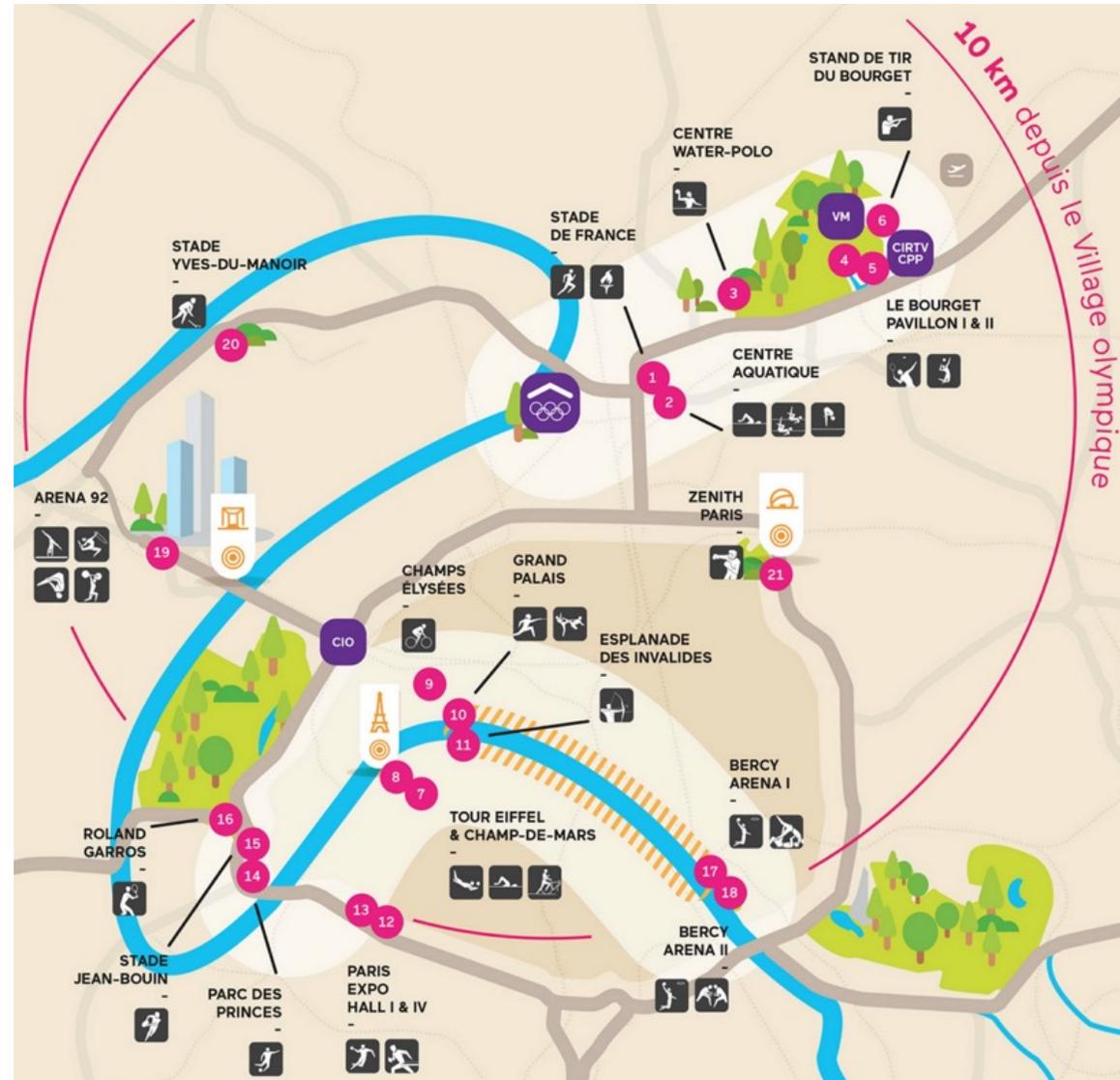
The background of the slide is a dark navy blue. It features a decorative pattern of numerous circles of varying sizes and colors, including shades of light blue, cyan, orange, red, and green. These circles are scattered across the right side and bottom of the slide, creating a dynamic and modern aesthetic.



PARIS 2024

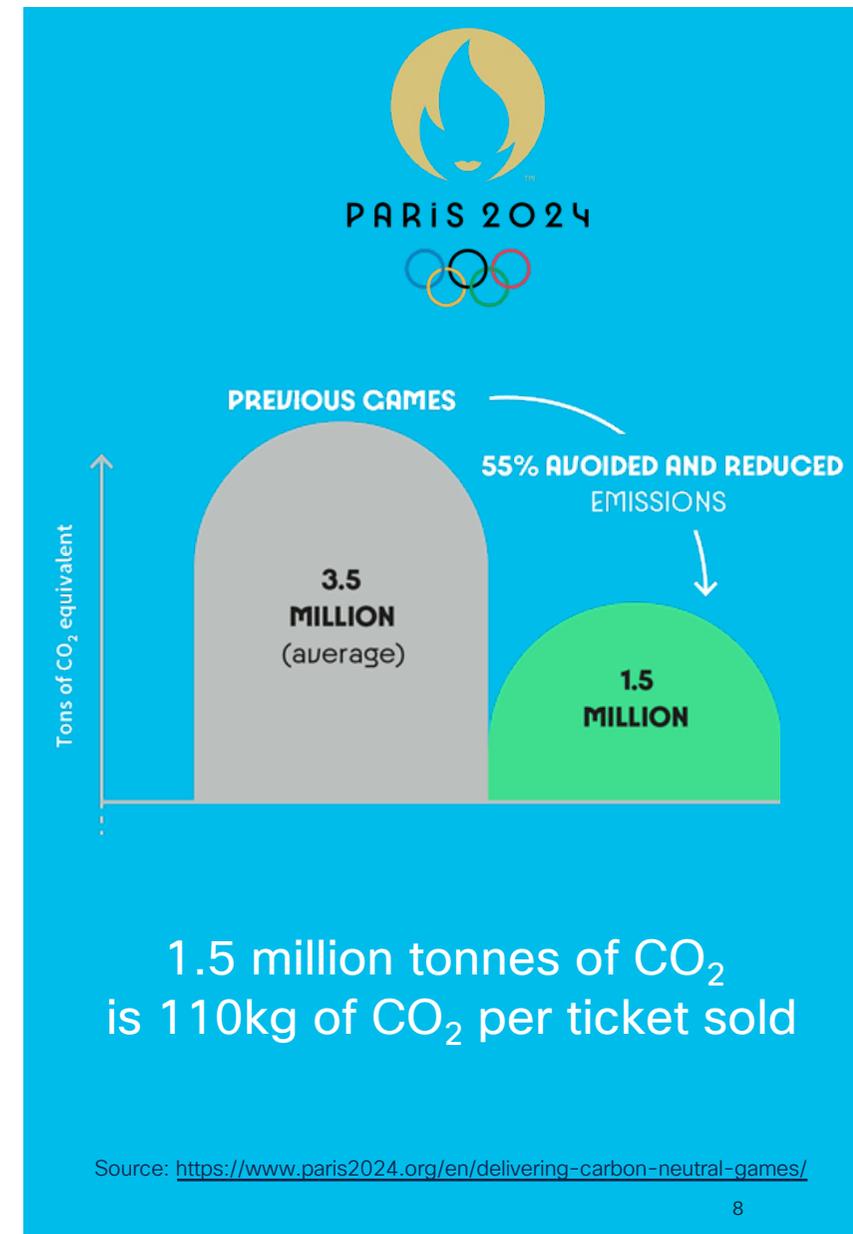


32 sports  
329 events  
762 sessions  
10500+ athletes  
19 days of competition

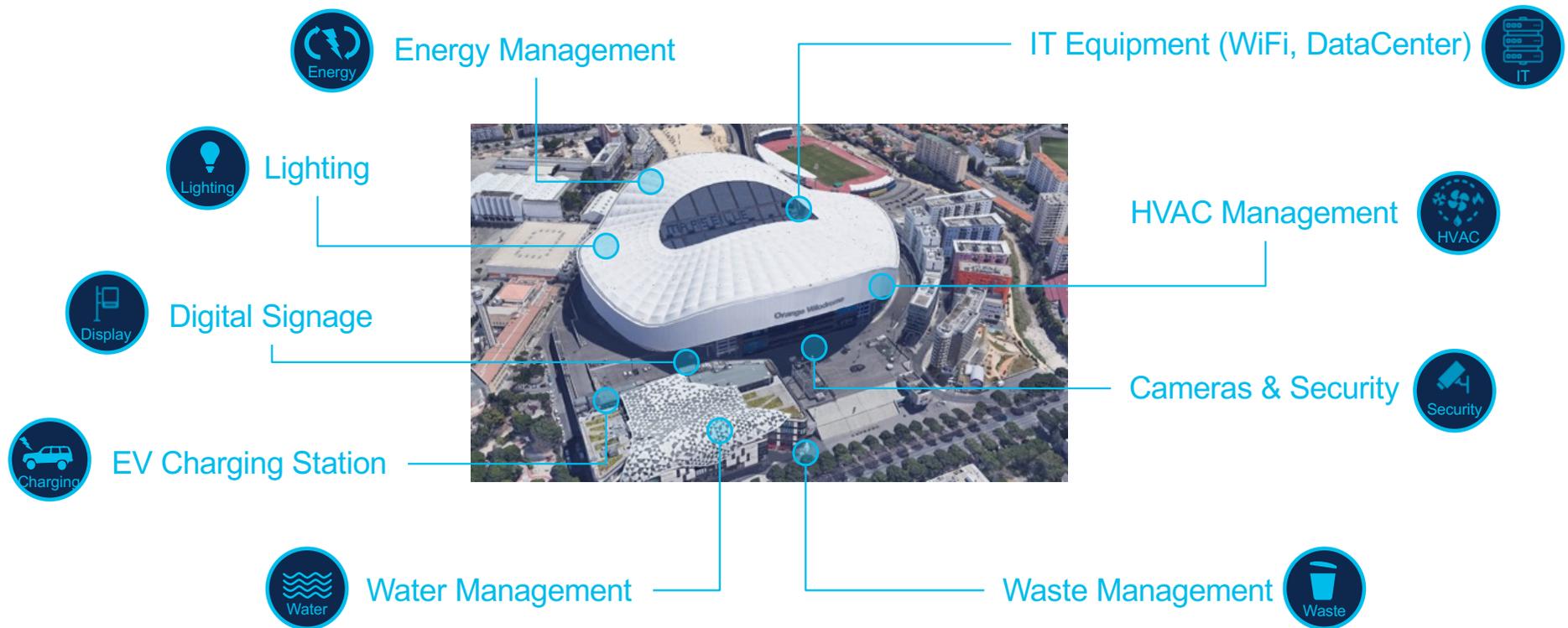


# Environmental ambition

- Be the first major sporting event to positively impact the climate
- Goal to cut emissions by more than 55% vs previous games
- Initiatives include:
  - 100% renewable energy during the Games
  - Circular economy principles in action
  - Sustainable food sourcing
  - Responsible digital technology
  - Clean mobility solutions
  - Biodiversity protection
  - Water management



# Stadium Infrastructure driving Sustainability impact



# How to optimize stadium energy consumption?

100+

*events  
per year*

5k  
20k  
67k

*3 guests  
configurations*

365

*days/year  
open for tours*

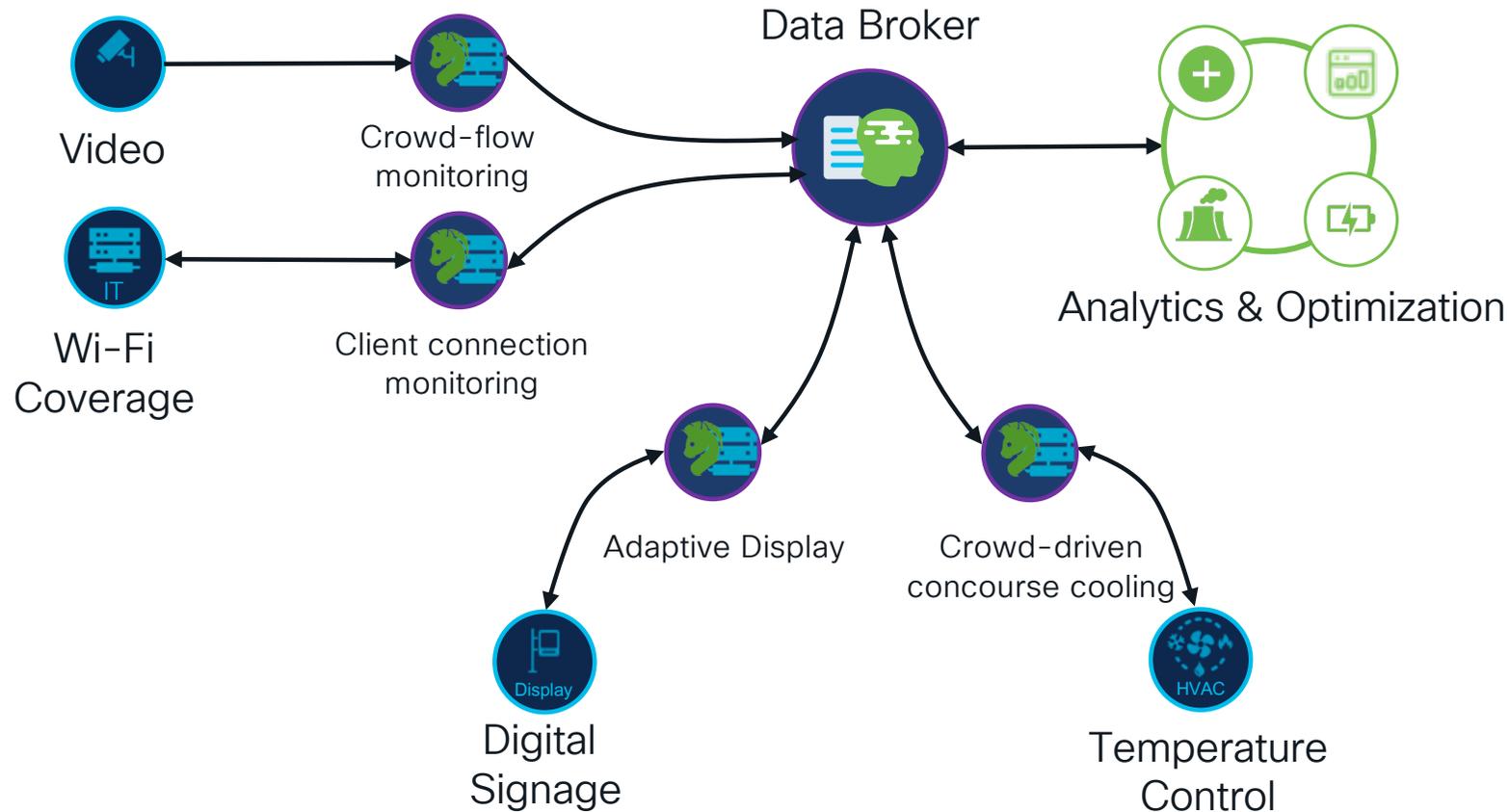
## **Challenge**

- Limited capacity to configure the stadium's utilities & equipment
- Many 3rd parties responsible for operations of the stadium - increases data sharing complexity
- Energy consumption higher than stadium activities actually require

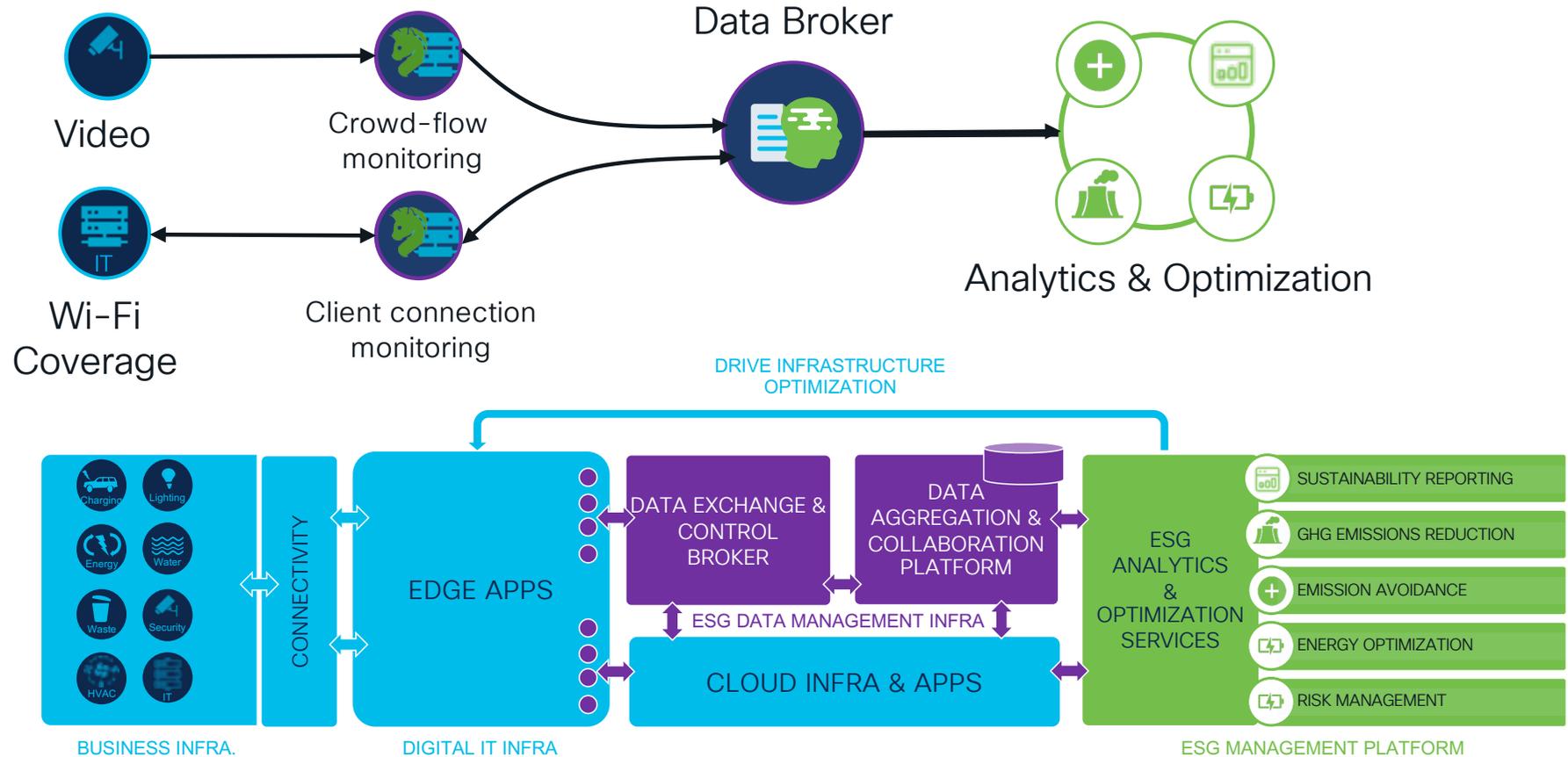
## **Expected Outcome**

- Optimize stadium overall equipment energy consumption (IT, HVAC ...) based on actual stadium usage and occupancy

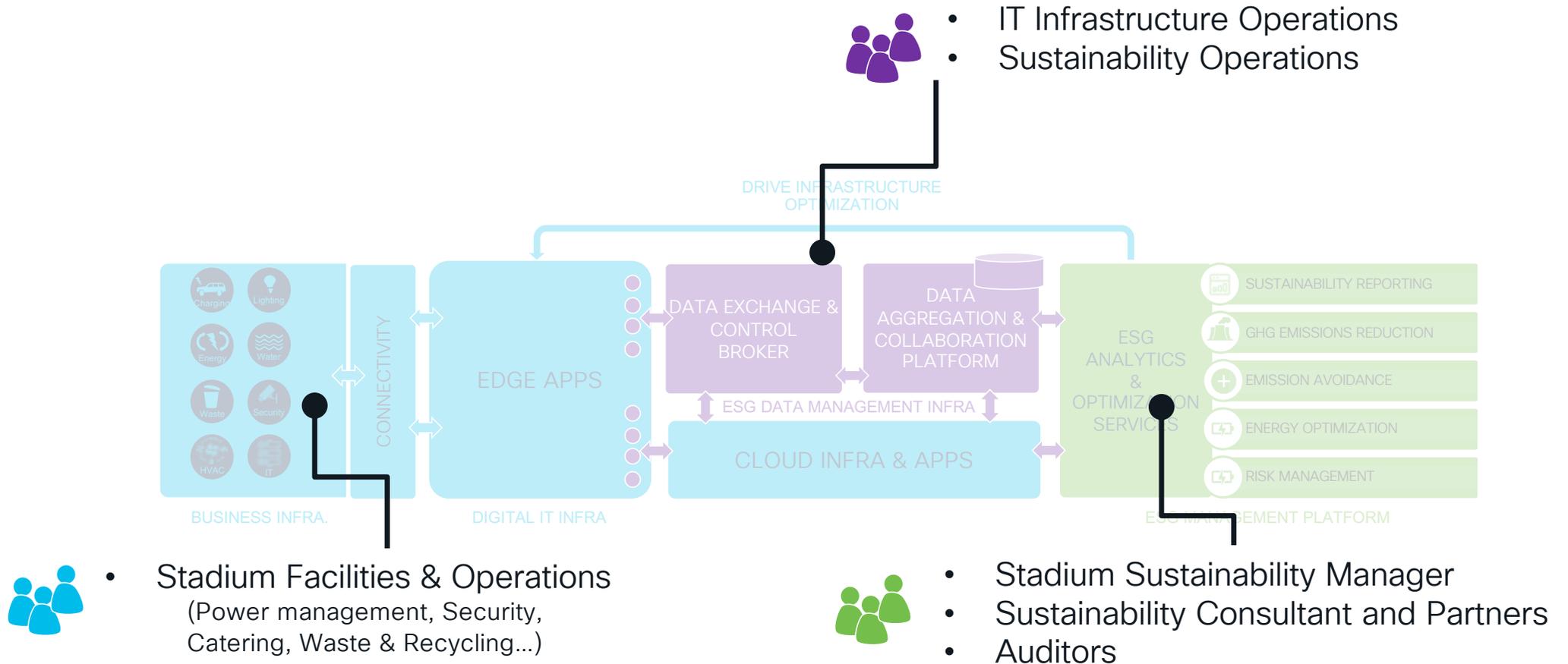
# Application Data Flow



# Solution Architecture



# ESG Management Roles



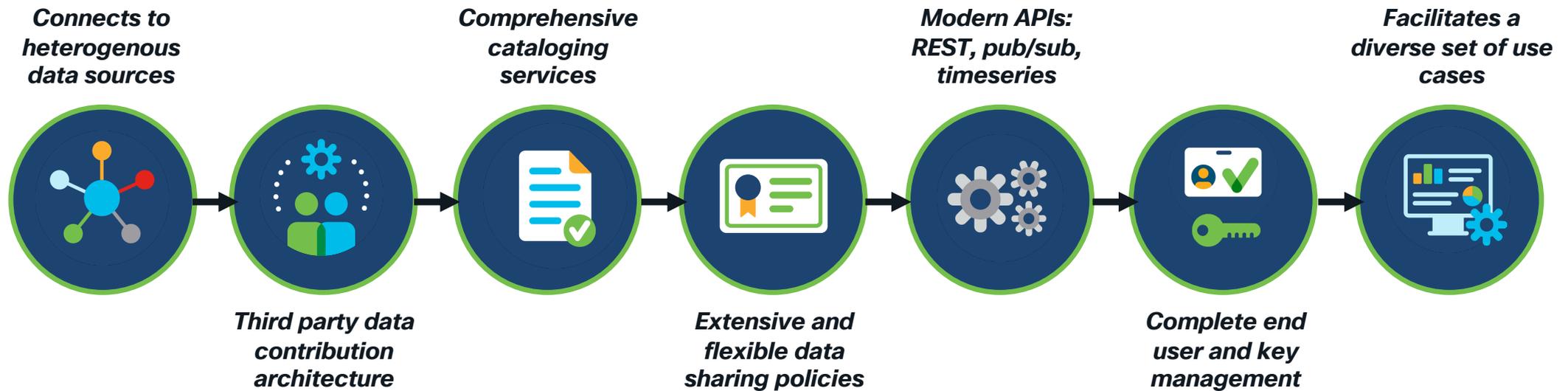
# Open source policy-based data sharing platform



BitBroker allows data owners to share **selected portions** of their data in **controlled** and **managed** ways with **chosen** third parties

Share Data with Confidence: <https://www.bit-broker.io/>

# BitBroker Workflow



A complete, *horizontal, end-to-end* solution for *non-technical domain experts*  
Built from *industry proven* and *scalable* web technologies

# In Summary



- IT has a key role as the foundation layer for your business's sustainable future
- Edge solutions will enable collection of quality data and control loop
- Ecosystem collaboration around the data to drive quality outcomes
- From pledges to plans for action... from estimates to actual data and automation



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Thank you





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# Q & A

