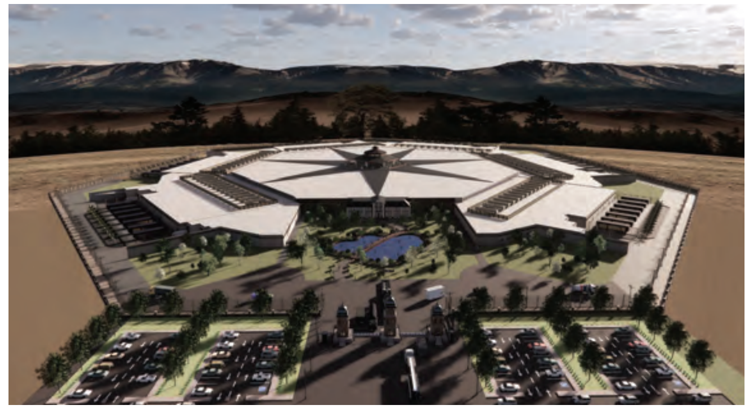
THE HEPTAGON DATA CENTER CAMPUS
A BETTER REAL ESTATE DECISION

INTERSTITIAL SYSTEMS

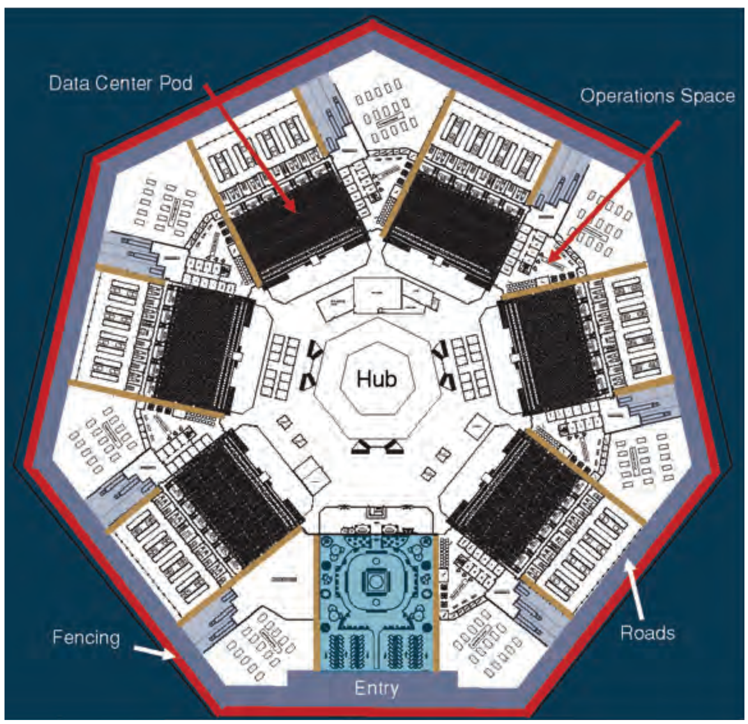
SMALLER DATA CENTER LAND REQUIREMENTS INCREASE OPTIONS AND LOWER COSTS

Data Centers are morphing from a simple single building to multiple buildings sprawled over a large parcel of land.



Interstitial has created a highly efficient campus design with this 6 Pod 150 MW low-profile Heptagon reducing the land requirement by over 40%.

When designing a Data Center, the effective distribution of air, power, cabling and liquid cooling lines plays an important role in the process and outcome. Interstitial's effective distribution of these services results in smaller more efficient Data Center Pods saving +30% of the sq. ft. When multiple Pods can be placed around a central hub, the savings, efficiency and flexibilities are magnified in both building and land savings.



Using less land with an equivalent or greater processing capability means more available site options, for a lower cost, with less environmental impact.

Land and Cost Comparison of a 150 MW Data Center

	MW	Acre/MW [1]	# Acres	Cost/Acre [2]	Total Cost
Interstitial	150	0.333	50	$ 247,421	$ 12,371,040
Traditional	150	0.561	84.15	$ 247,421	$ 20,820,460
Interstitial Savings			34.15		$ 8,449,420

"...colocation providers have seen the weighted average cost of comparable land fall from $14.10 /sq. ft. in 2022 to $5.68 per sq. ft. in 2024." [2] *($247,421 per acre)*

[1]Acre per MW was determined by reviewing 12 current sites under development and comparing the MW to the acres of land required

[2]Data Center Development Cost Guide 2025 p.6 Cushman & Wakefield https://cushwake.cld.bz/Data-Center-Development-Cost-Guide-2025

The hub/atrium Data Center concept isn't limited to a Heptagon. Any rectilinear shape can be used for the core depending on the number of Pods required.   Pods can be added to the Atrium as needed, and stand-alone single building projects also benefit from Interstitial. The key to a smaller land and building footprint is the unique way that Interstitial distributes critical Data Center services.
Learn More: https://interstitial-systems.com

An Overview of Interstitial's Streamlined, Low-Profile, 50 Acre, 150 MW Heptagon. This campus was designed for a colonial setting, but is easily adaptable to any local environment. It can be enlarged to a 600 MW Air/Liquid Cooled Data Center.

Advantages of the Heptagon Atrium:

- Is community and environmentally friendly;
- Reduces land consumption by 40%;
- Has a streamlined profile that is designed to blend into the environment;
- Is Landscaped with hundreds of trees and foliage for aesthetics, the environment, and acoustics;
- Low-profile height is a maximum of 30' except for center cupola and entry post;
- Complex is fenced to secure the facility, and the community from the facility;
- Air conditioning equipment is refrigerant based, and is quieter than any other system in the industry;
- Generators are 25% quieter than conventional and meet TIER IV standards at the moment of start-up;
- Minimizes roads, lighting, maintenance and travel between buildings;
- Complex can be self-sufficient, not using any of the local water supply, sewage, or need for local fire department;
- For local staff the Atrium is a vibrant dynamic hub environment with amenities known to attract and increase employee retention, foster interaction, creativity, and collaboration, while promoting productivity, and well-being;
- In the case of an emergency the Atrium can be used for a community shelter.

Planning a New Data Center?

Interstitial's Heptagon will better integrate and endure the data center with the local community.

Let us show you how...

INTERSTITIAL
SYSTEMS

Sustainability Follows Functionality

888.763.8421
interstitial-systems.com
info@Interstitial-systems.com