

# Introducing DC-ATL1

## Dream Center at Morehouse College

ImpactData in collaboration with Morehouse College is proud to introduce our state-of-the-art, "Dream Center" facility set for construction in Downtown, Atlanta, GA. The three-story, digital learning and colocation data center will anchor the southern boundary of the College's campus providing Enterprise Clients direct access to fiber networks, datasets, Hybrid Cloud services as well as access to a diverse talent pipeline comprising over 13,000 students within the Historic Atlanta University Center.

This dynamic project is ImpactData's first in the Atlanta market and will open for business in Q4 2022. The 115,000 SF facility will provide over 40,000SF of slab and raised-floor space for build-to-suit client deployments. Our Atlanta data center will offer network availability to multiple top-tier dark fiber providers with redundant backbone connectivity, cross connects to on-premises carriers, connectivity to public cloud providers, and peering fabric and blended-bandwidth solutions to meet any business requirement. Utility feeds will initially provide more than 7.5MW of critical IT power. Security measures include round-the-clock on-site security personnel along with dual factor authentication (card and biometric) on exterior entry and all data center entrances.

Separately, the facility will host over 40,000SF of digital innovation and workforce training space. Enterprise Clients will be provided unique opportunities to customize training curriculum & programming, design and deploy product innovation labs and develop a new class of partnership for a more career-ready, digital workforce.

## Facility Specifications

### Structure & Space

- Purpose-built, 115,000SF facility with 40,000 SF of slab & 40,000 SF of separated Innovation Space.
- 2 Story Data Hall structure with 36" raised floors over concrete slabs with tiles rated at 1,500 lb/tile
- Designed to accommodate racks drawing from 6 to 55 kW per rack
- First 2,500 kW of 7,500 kW of total colo space available Q4 2022 (can be accelerated upon request)

### Network & Connectivity

- Diverse points of entry
- Dual MMR (Meet-Me-Room) design for true diversity and maximum resiliency
- Morehouse College will join Southern Crossroads Fiber Ring that connects universities & research institutions with unique on ramp
- Carriers: Zayo, Fiberlight, AT&T, Comcast fiber, & Level 3
- Carrier and network-neutral

<b>DC-ATL1</b>	Region..... <b>Southeast</b>	<b>Support</b>	<b>Power</b>	<b>Network Connectivity</b>	<b>Cooling</b>
	Metro..... <b>Atlanta</b>				
	HBCU..... <b>Morehouse</b>	On-Site Support..... <b>24x7x365</b>	AC 120..... <b>Yes</b>	Fiber Entries..... <b>2</b>	Max Cab Chilled Door..... <b>100kW</b>
DC Square Ft..... <b>40,000</b>	Remote Hands..... <b>Yes</b>	AC 208..... <b>Yes</b>	Network Providers..... <b>5</b>	Cooling Design..... <b>N + 1</b>	
Tier Design..... <b>III</b>	Smart Hands..... <b>Yes</b>	AC 3P..... <b>Yes</b>	Carrier Neutral..... <b>Yes</b>		
Facility Type..... <b>Colocation</b>		Power Design..... <b>N + 1</b>			
Digital Learning..... <b>Yes</b>	<b>Platforms</b>				
Student Access..... <b>13,000+</b>	Colocation..... <b>Cabinets, Suites, Cages</b> Managed Internet..... <b>Firewall, DDoS Mitigation</b> Connectivity..... <b>CIX-ATL, AtlantaIX, National MPLS</b>				

# Facility Specifications (continued)

## Power & Cooling

- 7.5 MW of critical load delivered with N + 1 redundancy
- Colo Space: 4 x 1,875 kW N+1 UPS power blocks serving the 1st and 2nd floor
- HPC Space Carveout: 1,000 kW dedicated to College
- Secure, external equipment yard with five 2,500 kW generators with 24 hour on site fuel supply for each
- Metered power (kW & kWh) at the PDU
- Redundant HVAC design, temperature, and humidity with a target annualized 1.22 PUE
- Hot-aisle / cold-aisle configuration with opportunities for containment
- Anti-static raised flooring and overhead cable runs allow unobstructed cold air delivery

## Safety & Compliance

- Uptime Institute TIER III Design Certification
- On-site security and support personnel 24x7x365
- Five layer security including man trap with turnstile
- Separated entry and freight elevators for Innovation vs. Data Center
- Monitored security cameras and intercom system including on all ingress/egress points and critical areas
- Separately zoned data halls for fire suppression
- Dual-factor authentication (card and biometric) on exterior entry and all data center entrances
- Video and access log minimum retention for 90 days to satisfy audits
- Custom physical security controls available for customer deployment



Impact Data has identified Morehouse College (**Atlanta**), Texas Southern Univ. (**Houston**), Johnson C. Smith Univ. (**Charlotte**), Harris Stowe Univ. (**St. Louis**), Howard Univ. (**Washington DC**), Tennessee State Univ. (**Nashville**), Alabama A&M (**Huntsville**), Florida A&M (**Tallahassee**), North Carolina A&T (**Greensboro**), Paul Quinn College (**Dallas**), and Xavier (**New Orleans**) as preferred "Edge Markets for its Distributed Network of Dream Center Colocation & Digital Learning hubs.

