

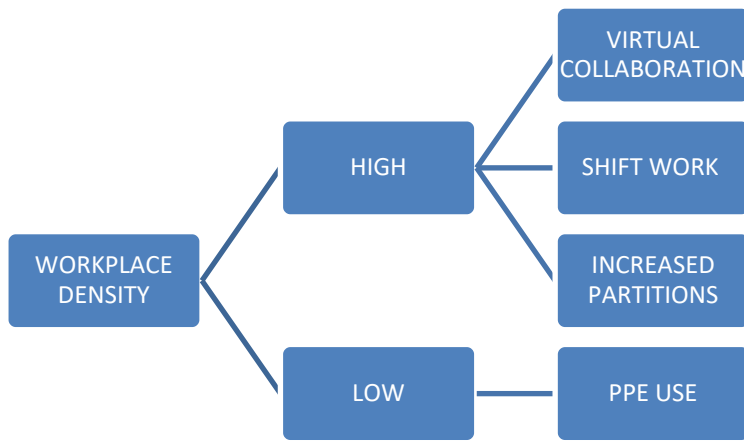
## Space Utilization & Metrics

### Name of Chapter: Mid-Atlantic

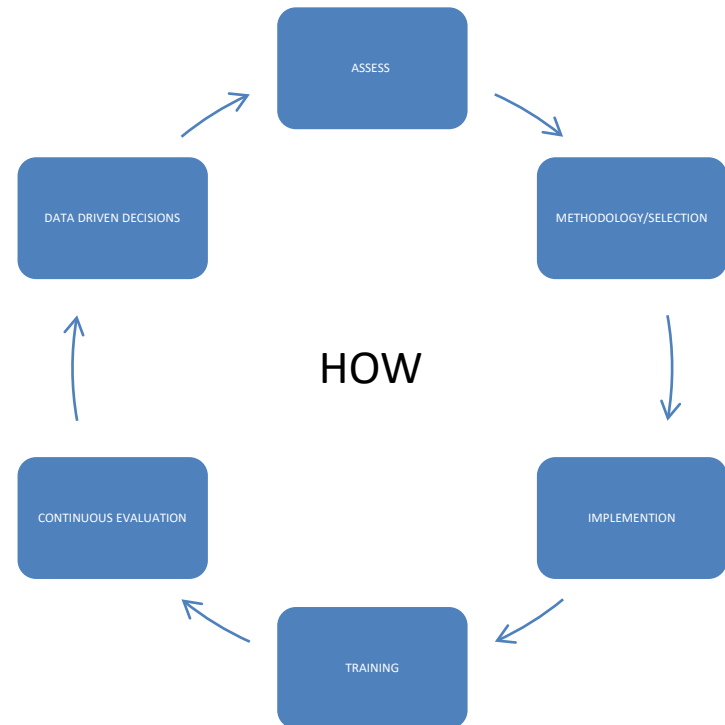


A COVID-19 Virtual Ideation Experience

**WHY:** Space utilization metrics in the post-COVID era are more important than ever for understanding and influencing occupancy, health and safety compliance, changing occupancy rates, and informing real estate decisions.



WHAT



HOW



IDEA



CONNECT



SOLVE



PRESENT

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## Recommendation and approach for space utilization data

Metric to measure	High Approach	Medium Approach	Low Approach
Requirements for Sanitizing and Disinfecting	<ul style="list-style-type: none"> <li>-Real time sensors for area and seat usage</li> <li>-Touchless environment</li> <li>-Voice/Facial usage recognition</li> </ul>	<ul style="list-style-type: none"> <li>-Barcode tags on desks – people scan when using</li> <li>-Manual flagging of clean</li> <li>-Increase hand cleaning stations</li> </ul>	<ul style="list-style-type: none"> <li>-Cleaning products in rooms</li> <li>-Employer Provided Masks</li> <li>-Clean/dirty signage for rooms, seating, tables</li> </ul>
People Flow/Density Pinch Points	<ul style="list-style-type: none"> <li>-Real time sensors for area and seat usage</li> </ul>	<ul style="list-style-type: none"> <li>-Add more check points for badging</li> </ul>	<ul style="list-style-type: none"> <li>-Use existing badging system</li> <li>-Individual responsibility</li> </ul>
HVAC & Air Quality	<ul style="list-style-type: none"> <li>-Utilization data informs building management/building engineers</li> </ul>	<ul style="list-style-type: none"> <li>-Air quality assessment</li> </ul>	<ul style="list-style-type: none"> <li>- Increase outdoor air flow (windows/doors)</li> </ul>

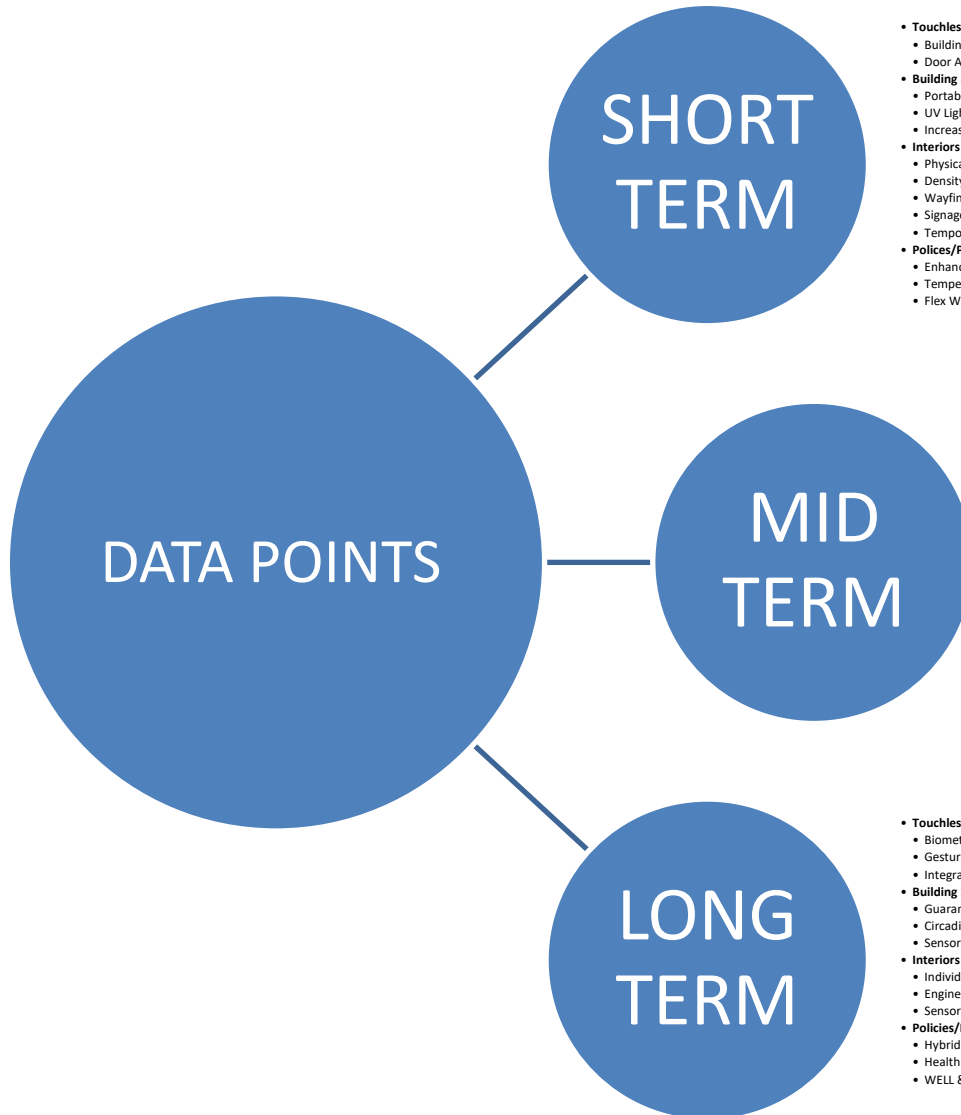


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- **Touchless**
  - Building Entry
  - Door Activities
- **Building System**
  - Portable Air & HEPA Filters
  - UV Lights in Air Ducts
  - Increase Air Flow at Toilet Rooms & Break Areas
- **Interiors**
  - Physical Distancing
  - Density, Geometry, Divisions
  - Wayfinding
  - Signage, Control Travel Paths
  - Temporary Protection Screening
- **Policies/Protocols/Practices**
  - Enhanced Daytime Cleaning
  - Temperature Screening/Visitor Protocols
  - Flex Work Schedules/Phased Building Entry

- **Touchless**
  - Integrated Door/Badging/Temperature Control Systems
  - Cashless Food Transaction
  - Gesture Water Dispensing
- **Building Systems**
  - LED/UV Lighting Re-Lamping
  - Air Quality Monitoring
  - Environmental Occupancy Sensors
- **Interiors**
  - Healthy Materials Selections
  - Apps for Meeting & Work Seat Availability
  - Ergonomic Furniture & Accessories
- **Policies/Protocols/Practices**
  - Organizational Mobility Plans
  - Extended Building Service Hours (Light/AC)
  - Integrated Infrared Body Scanners

- **Touchless**
  - Biometric Security Entry Systems
  - Gesture & Voice Activated Experience
  - Integrated Badge & Health Scans
- **Building Systems**
  - Guaranteed Quality IAQ Standards
  - Circadian Lighting
  - Sensor Based Utilization on Demand
- **Interiors**
  - Individualized Environmental Controls
  - Engineered materials that allow for cleaning & disinfecting
  - Sensors beyond utilization, measuring wellbeing
- **Policies/Protocols/Practices**
  - Hybrid working, integrating remote & office work
  - Health & Wellness Focused Environment
  - WELL & environmental practices commonplace





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From the building entry to the use of the space, data metrics will be vital in understanding space utilization.

