Workplace Wellbeing
Team Number: 12

Stakeholder’s Peace of Mind

**PEOPLE**

**track able**

**liaise ready**

**plan willing**

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**GOVERNMENT**

- Legislation
  - Timing
  - Which sectors
  - Under which restrictions

**TRANSPORT**

- Mobility
  - Public transport
  - Bike lanes
  - Parking

**BUILDING**

- Operational Readiness
  - Access + security
  - Bike facilities
  - Shower + change
  - Reception + waiting
  - Lifts + stairs
  - Common areas
  - Toilets
  - Cleaning
  - Central HVAC

**OCCUPIERS**

- Communal Consensus
  - Agreement on sharing facilities
  - Co-ordination on shifts and hours

**OCCUPIER**

- Occupier Readiness
  - Policies + procedures
  - Revised layouts
  - Cohort planning
  - Cleaning
  - Local HVAC

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**occupant**

- personal
  - family
  - community

**Trust**

Credit: Ed Garrod, Integral Group
COVID 19 - Wellness Matters
Safe Work Environment

**PEOPLE**

- Thermography
- Geo Tracking
- Enhanced Cleaning
- Daily Disinfect
- Mindfulness
- IAQ, HVAC, Sensors

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## New Criteria for the Workplace

**Particle Settling in Still Air**

Time to settle 5 feet by unit density spheres:

- 0.5 μm: 41 hours
- 1 μm: 12 hours
- 3 μm: 1.5 hours
- 10 μm: 8.2 minutes
- 100 μm: 5.8 seconds

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**Figure 1** (a) Comparative settling times by particle diameter for particles settling in still air (Baron n.d.) and (b) theoretical aerobiology of transmission of droplets and small airborne particles produced by an infected patient with an acute infection (courtesy Yuqiao Li).

ASHRAE Position Documents on Infectious Aerosols
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**Technology Enablers**

**People**

- **Tech Solutions:** IWMS platforms, Space Management, IoT with sensor based desk/room booking capability

  - Distancing perimeters of physical space
  - Allowing for space reservation prior to arrival
  - Enabling mobile apps to support desk locations and wayfinding of colleagues

**Plan**

- **Tech Solutions:** IWMS with HR integration for shift pattern creation, sensor enabled tech for contactless work day

  - Identify who feels comfortable to return
  - Allow for shift patterns to accommodate commute
  - Enable reduced contact work environment

**Place**

- **Tech Solutions:** IWMS, Maintenance point solutions, CAFM products, Space Management, enhanced analytics or BI platforms

  - Clear and communicated maintenance plans of used spaces
  - BMS modifications for improved air circulation
  - De-densify the workspace
  - Track, aggregate usage trends to monitor success of new measures

**Purpose**

- **Tech Solutions:** IWMS with mobile app capability to communicate building and safety updates. Point solutions for employee monitoring with sensors, WiFi, LAN/VPN

  - Provide multiple, visual and mobile communications
  - Create a technology enabled feedback loop for employees
  - System for monitoring, communicating and mitigating risks related to new cases
PURPOSE
Change Management & Governance