The VANTIQ Back-to-Work Accelerator is a prepackaged set of components and tools that allow businesses to safely return to work. Configurable to any business environments, the Accelerator provides a framework to jump start construction of solutions that enable the reopening of businesses. Based on VANTIQ real-time Digital Twin technology, developers can quickly model the workplace and tie data coming from cameras, IoT devices and other enterprise systems. This data is used to create real-time awareness and decision making to better serve and monitor the workforce during the Coronavirus pandemic.

**KEY FEATURES**

- **Workplace model** that includes buildings, floors, spaces or rooms, and assets
- **Pre-built user interfaces** that can be easily customized
- **FloorPlan widget** for real-time visualizations of environments
- **Real-time dashboard** for operational monitoring and alerts
- **Workforce manager** with ability to add and assign roles to personnel
- **Real-time notification system**
- **Configurable real-time tracking** for assets and personnel
- **Extensible architecture** with library of plugins and pre-integrated devices

**CORE COMPONENTS**

- **CONTACT TRACING**
  - Identify people and correlate locations;
  - Contact tracing algorithm;
  - Integrates with RTLS Systems;
  - Real-time data from Cameras/Sensors

- **PHYSICAL DISTANCING**
  - Detect individuals within spaces;
  - Calculate distances between people;
  - Count people in spaces;
  - Real-time operational alerts

- **ACCESS MANAGEMENT**
  - Enforce isolation zones;
  - Real-time visualizations;
  - Object Recognition & People counters;
  - Detect security breach;
  - Operational alerts

- **ASSET MONITORING**
  - Maintenance & Field Service;
  - Real-time status & alerts;
  - Usage and Availability Location tracking;

- **SYMPTOM DETECTION**
  - Sense for Symptoms: Elevated body temperatures, coughing, sneezing;
  - Identify & Track people with symptom;
  - Alert Security

- **SAFETY COMPLIANCE**
  - Adhere to regulations;
  - Mask enforcement; Hygiene Tracking;
  - Smart Sanitization;
  - Cleaner Workplace

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**CONNECTED ASSETS**

**Access Control**
- Badges
- Gates
- Biometric

**Cameras**
- Thermal
- CCTV
- Drones
- Hypervisor

**Equipment**
- Testing
- Soap dispensers
- Health checks
- UV sterilizers

**Sensors**
- Bluetooth
- Counting
- Beacon
- Lidar

**Wearables**
- Covid detection
- Distance measure
- Masks
- Tracking