

# IUX for Workplace Resilience: IoT Analytics Helps Recover and Restore Business Continuity

TCS Digital Software & Solutions



In a time of disruption and unprecedented challenges, data is more relevant than ever as leaders of organizations must make swift decisions to restore the long-term viability of their businesses. Facing new requirements for employees' safety, regulatory compliance, and operational efficiency, enterprises must tap into their many sources of data to surface real-time insights that will help restore operations and ensure safety, while becoming nimbler and more resilient in the new normal.

TCS Intelligent Urban Exchange (IUX) for Workplace Resilience is an integrated analytics platform with a command center that helps enterprises coordinate and optimize their response to major disruptive events and address key operational and safety challenges, such as those caused by the Covid-19 pandemic. By ingesting and applying real-time analytics to various type of data (Internet of Things (IoT), videos, images, log files, public data, etc.), IUX for Workplace Resilience empowers decision makers with insights to monitor site by site execution, adhere to guidelines and regulatory requirements, and proactively plan for new threats and incidents.

## Overview

In a rapidly changing environment, leaders must be able to understand the full spectrum of an organization's operations in real time to respond effectively. A central solution that can leverage the existing IoT ecosystem and provide the required intelligence to constantly monitor operations, understand exposure to risk and identify new opportunities for efficiencies is critical to successfully navigate in crisis scenarios (such as a pandemic or any natural calamity). As enterprises are looking to protect employees and customers while mitigating the economic repercussions, IUX for Workplace Resilience provides a full set of analytical capabilities that help organizations navigate the safety, regulatory and operational challenges and prepare for future ones.

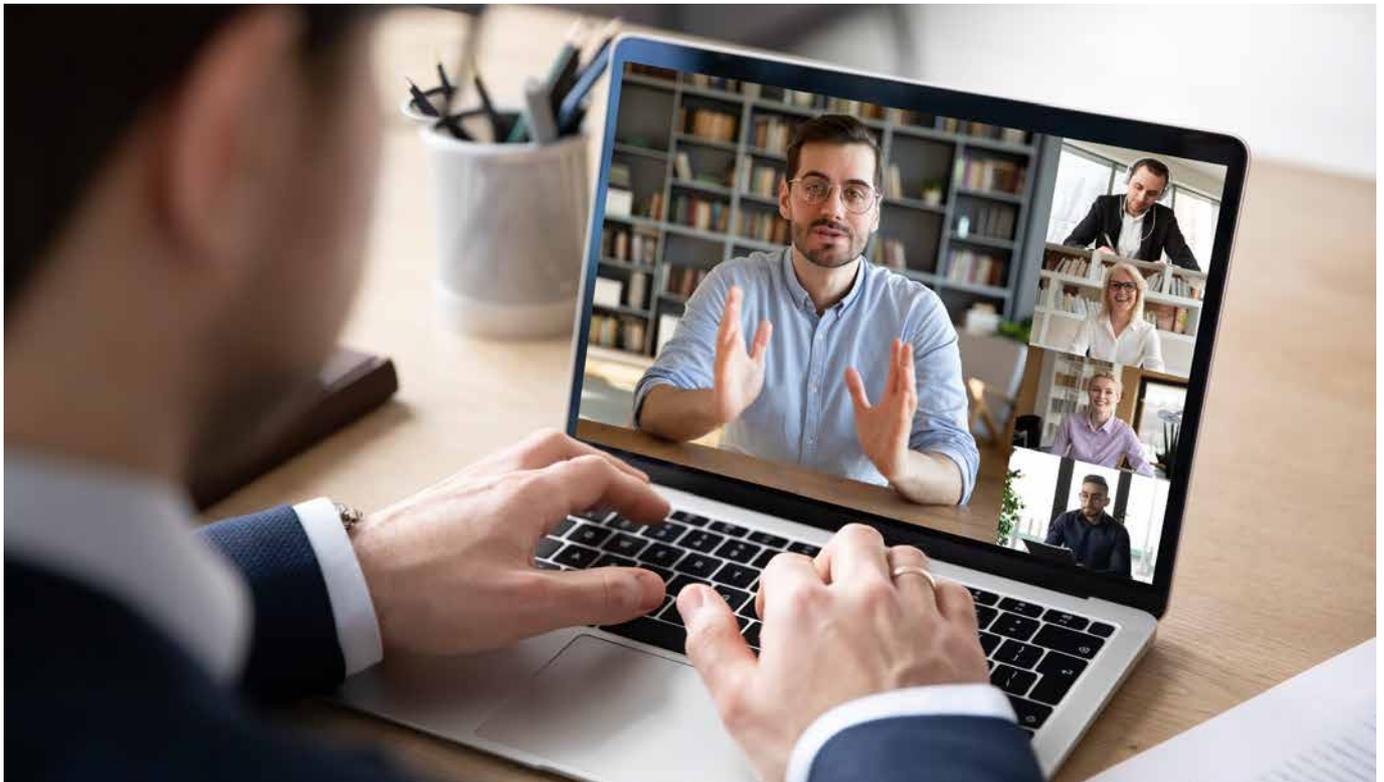
By ingesting and analyzing all types of data, IUX for Workplace Resilience provides leaders with an intelligent command center to accurately determine the extent and depth of specific incidents and enhance the decision-making process. It allows leaders to assess the magnitude of a crisis, understand how diverse enterprise functions are being impacted, design adequate mitigation tactics and monitor their implementation.

With data modeling capabilities, IUX for Workplace Resilience enables an organization's leaders to run what-if scenarios and plan their response. The solution helps organizations forecast and adapt as a crisis unfolds helping the leadership team to proactively respond.

## The Solution

IUX for Workplace Resilience comes with pre-built use cases to help enterprises overcome prevailing challenges and reduce the impact of future crises.

- **Smart Workplace Protection:** To ensure the health and safety of stakeholders, IUX for Workplace Resilience allows businesses to monitor site level infection risk and take immediate action. Using image/video and path tracing analytics, organizations can determine optimal workplace occupancy and identify alternate movement flows to avoid congregation. In case of contamination enterprises can trace contact using proximity data from employee mobile devices, badge scanners, etc., and identify at risk individuals.
- **Smart Comprehensive Regulatory Compliance:** To reopen organizations must follow strict policies and procedures. IUX for Workplace Resilience helps ensure regulatory guidelines are followed. Our solution makes it easier to comply with regulations and record/report to regulatory oversight bodies.
- **Smart Operational Agility:** To understand the impact on operations IUX for Workplace Resilience allows organizations to profile risk at specific site locations based on variables such as infection, workforce impact and client relationships. Users can run what-if analysis and predict risk to tailor business continuity and plan ahead.



## Benefits

### Ensure business continuity in a safe environment

- Protect employees' health and security
- Remain compliant with laws and regulations
- Respond to incident in real time and implement measures accordingly

### Enhance organizational agility and resilience

- Quickly identify operational risk areas
- Assess the impact of new measures to improve decision making process
- Mitigate productivity loss

### Reduce OpEx and CapEx

- Reduce total cost of ownership and increase ROI with easy integration into existing IT systems
- Forecast and set targets with a goal-based approach based on integrated optimization algorithms
- Deploy a cloud-based solution that eliminates the need for costly hardware installations and maintenance

### Accelerate implementation and benefits realization

- Leverage data from your existing IT infrastructure and rapidly deliver insights for decision making
- Integrate key enterprise data into the data model using REST APIs to speed integration
- Streamline management of multiple data sources
- Scale efficiently with Big Data Connected Intelligence Platform

## The TCS Advantage

**Fully integrated solution:** TCS IUX for Workplace Resilience's pre-built use cases enable enterprises to quickly address a number of challenges across department functions.

**Faster and painless deployment:** IUX's open standards platform enables faster solution implementation and integration with your enterprise's existing systems.

**Lower cost of ownership:** IUX's modular architecture lets you implement only what you need now with the option to grow as your needs mature.

**Industry expertise:** Our software has been created by professionals with proven expertise across a range of verticals. Our enterprise data model incorporates the latest technology innovations and expertise from TCS' R&D.

**Simplified business and engagement models:** As-a-Service subscription pricing does not require capital outlay. IUX applications are accessible online, on desktops and mobile devices.

**Experience Certainty commitment:** Our corporate culture is one of superior delivery and customer certainty. Our consulting clients know the quality of our work, and now, companies can get that same level of quality, speed and certainty with our Digital Software and Solution offerings

## Awards & Recognition



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