**NOTIFY Contact Tracing Solution**

Implementation Partner: Mokxa Technologies | Customer: Regional Correctional Facility Located in New Jersey, United States

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### ABOUT PARTNER

Mokxa Technologies is a global business solutions provider focused on delivering peace of mind to its clients by simplifying enterprise IT.

Powered by hybrid thinking and deep technology expertise, Mokxa specializes in providing CIO services, futuristic platforms, enterprise architecture, and enterprise risk assurance to industries like healthcare, BFSI, manufacturing, and more.

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### CUSTOMER AT A GLANCE

The customer is a regional correctional facility located in New Jersey, United States.

Operating for over a century, this facility houses approximately 2000 inmates and is supervised by roughly 150 staff members.

**Industry:** Government

**Country:** United States

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### CHALLENGES

- During the COVID-19 pandemic, prison inmates were among the most vulnerable population strata to contract infections
- Needed for an effective digital contact tracing mechanism to manage any potential spread of infection
- Previously, they had outsourced contact tracing to a third-party company which maintained all records on paper
- This approach had several limitations, including being reactive, slow, error-prone, and reliant on human input.

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### SOLUTION

Developed by Mokxa Technologies, NOTIFY is a digital contact tracing solution built on Joget, that captures identity and location data in real-time, triggers alerts for positive contact events, generates detailed contact reports, and provides in-depth analysis.

Tracking is enabled through an interplay of IoT components such as badges and wearable devices, which transmit location data to gateways that store the data on a cloud-based application built on Joget.

The application extracts information from this data and presents it to users in various formats.

**How Digital Contact Tracing Works:**

- **Gateways:** Install gateways at specified locations, where the capturing range of each gateway marks a distinct zone
- **Badges:** Assign badges and wearable devices to all inmates, where these devices transmit location data
- **Track Covid-19 Spread:** Determine contact by computing inmate identities, zone histories, duration, and social connections
- **Alert:** Notify all concerned stakeholders via notifications and reports of positive contact events

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### RESULTS

- Able to proactively identify close contacts of all inmates infected with Covid-19, with user permission controls to manage authorized access to data and functionality
- Provisioned and managed all the underlying technology (IOT devices, assignments, battery levels, etc.) via the same application
- Drilled down reports and rolled up dashboards, both canned and ad-hoc, provided the ability to view all aspects of data that were meaningful and unique for different groups of audiences
- Provided a framework and a solution that was readily scalable and easily configurable for any number of use cases that hinge on asset monitoring and location tracing