IOCL (INDIAN OIL CORPORATION LTD.)

INDIA

IOCL is a major, diversified energy company that serves all of India. To modernize their system for employee site access and time tracking at one of their largest oil refineries, IOCL sought a solution that combines physical security with automated workforce management without a complex workflow for their staff, who was used to clocking in using paper timesheets and gaining access at work using traditional cards.

Invixium Biometrics Modernize IOCL Oil Refinery with Fast, Accurate Access Control and Workforce Management

Time tracking and access control for 1,000s of employees, each with different shifts and access authorization, is a daunting task. IOCL previously used a system that relied on paper timesheets and physical cards, both of which pose a great risk of being lost or forgotten while offering no way to verify that the person gaining access is who they say they are or that the timesheets are 100% accurate. Seeing these limitations, management at this oil refinery sought to improve accuracy and security with a modern, automated system. Quickly, biometrics took center stage as a solution to tighten security, enhance accuracy, and even speed up shift changes.

Biometrics Create a Dynamic Security Ecosystem

IOCL's system integrator, Yokogawa, introduced the company to two Invixium biometric solutions: IXM TITAN for face recognition and IXM TOUCH 2 for fingerprint. Each biometric reader serves a specific purpose for IOCL. IXM TOUCH 2 is installed at entrance turnstiles for fingerprint-based time tracking, which ensures that shift changes are as smooth as possible thanks to the device's high-end Lumidigm sensor built for high-volume, rugged environments. IXM TITAN is used to secure critical areas of the plant with face recognition, a highly accurate biometric technology that is both spoof-proof and functional while a person wears PPE such as face coverings to enhance security and user-friendliness. Both IXM TITAN and IXM TOUCH 2 offer multi-factor authentication to improve security, which IOCL takes advantage of to aid in their transition from cards to biometrics. Invixium's workforce management software, IXM Time, completes the system with attendance reports, shift management features, and automated payroll calculation.

PROBLEM

IOCL needed to upgrade from traditional methods of tracking time and granting access to modernize their security system, increase site security, and improve payroll accuracy. With a large staff and a rugged refinery environment, few solutions were up to the task; IOCL demanded a rugged reader that was also easy-to-use so their transition from cards to biometrics would be as simple as possible for their staff.

SOLUTION

IXM TITAN and IXM TOUCH 2 provide a combined solution that uses face + card and fingerprint + card, respectively, to ensure time tracking is accurate and only authorized personnel can access secure areas on-site. Combined with Invixium's IXM Time software, workforce management and access control at the IOCL refinery have successfully been brought into the 21st century.

BENEFITS

- Biometrics are highly secure because they, by nature, cannot be lost, shared, stolen, or copied. Using biometrics greatly enhances security compared to cards because management is assured that those gaining access or tracking time are who they say they are.
- Time tracking using Invixium biometrics and IXM Time is beautifully simple thanks to automation. When a person clocks in or out, their timestamp is immediately communicated to IXM Time, where management can view an audit trail, attendance reports, and more.
- Invixium biometric solutions are built with rugged environments in mind. IXM TITAN sports an all-aluminum body, a Corning® Gorilla® glass LCD, and IP67 and IK10 certifications. IXM TOUCH 2 offers an optional Lumidigm fingerprint sensor designed for use in wet, dusty, or otherwise challenging environments, or by people whose fingerprints are difficult to read.

"IOCL's worksite poses a challenge for most security solutions, but they still cannot compromise on accuracy when it comes to payroll calculation and physical access for their large workforce. We knew that Invixium solutions were a match for IOCL once we learned that IXM TITAN and IXM TOUCH 2 do not compromise on speed and accuracy in favor of durability. Now, IOCL's shift changes are fast and their security is tighter than ever."

G. Dinesh Reddy, Deputy Manager at Yokogawa

"Invixium solutions are made for installations like IOCL. This project emphasizes how important the ideal blend of ruggedness, speed, and accuracy is by showing that even challenging environments can enjoy the security benefits of biometrics. We are very proud that a system using IXM TITAN and IXM TOUCH 2 has improved so many aspects of IOCL's business."

Shiraz Kapadia, CEO & President at Invixium

YOUR TRUSTED PARTNER IN BIOMETRICS

Headquartered in Toronto, Canada, with presence in India, Middle East, UK, USA, Latin America and Africa, Invixium designs and manufactures modern biometric solutions that leverage the latest technologies to provide businesses with a unified end-to-end solution for access control, workforce management and smart building automation. Our fully integrated hardware, software, and mobile platform solution helps improve the health, safety, productivity, and security of enterprises and industries using accurate data capture and intelligent data analytics.

With sales exceeding tens of thousands of products in over 60 countries and deployments at major enterprises and industries across a broad spectrum of verticals, Invixium strives to provide industry-leading biometric solutions that are not only visually stunning, but also intuitive for ease of use and install. Our products are proudly Made in Canada.

Visit invixium.com to find a salesperson in your region.

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