



System Integrator:
AdvantEdge Technologies

A Major Petroleum Company in India

MUMBAI, INDIA

The Mumbai Refinery of a major Petroleum company in India is one of the most complex refineries in the country, constructed on an area of 321 acres. With an installed capacity of 9.5 million tonnes per year, this high-stakes industrial zone is the main hub of India's petroleum infrastructure. To match the scale and complexity of its operations, they sought a rugged biometric solution capable of thriving in harsh environmental conditions while simplifying workforce management for a large on-site team.



Invixium's Biometric Solutions Installed to Manage Workforce Complexity

Managing a workforce of tens of thousands, the company faced growing inefficiencies with its legacy biometric system. Time-tracking inaccuracies and delays during shift changes were compounding administrative burdens and impacting productivity. The refinery's operations in a dusty, greasy, high-temperature environment and large shift-based workforce required a scalable biometric solution that could perform in such conditions. To advance its digital transformation goals, they needed a rugged, high-capacity, touchless biometric solution built to withstand industrial realities without compromising speed, accuracy, or security.

IXM TITAN Transforms Workforce Management and Security

To address these operational challenges, AdvantEdge Technologies, a leading System Integrator in India, specializing in large-scale projects, selected Invixium's flagship solution, IXM TITAN. Built for demanding environments, TITAN stands out for its rugged design, fast face recognition, and high ingress and impact protection ratings, making it the gold standard for refinery installations. Invixium's flexibility to offer customization enabled seamless integration with the SAP ERP system and Video Management Software, providing the adaptability needed for a unified solution. TITAN's performance and durability empowered them to manage large workforce volumes with ease, enabling faster shift transitions, accurate attendance tracking, and seamless payroll integration, saving time and reducing costs. With 60 strategically installed devices across the site, TITAN is used daily by over 10,000 employees.

BENEFITS

- **Ruggedness:** With an IP67 and IK10 rating for ingress and impact protection, a durable aluminum body, and a 5" Corning® Gorilla® Glass LCD, TITAN is built to perform in harsh, outdoor environments
- **Improved Productivity:** By eliminating manual errors and reducing bottlenecks during shift changes, Invixium's solutions save time, boost efficiency, and improve overall workforce management
- **Customizations:** Unlike off-the-shelf solutions, Invixium collaborates closely with customers to understand specific operational challenges and delivers purpose-built biometric solutions that fit seamlessly into existing workflows
- **High-Speed Face Recognition with Large User Capacity:** TITAN's fast face recognition speed of 28 users per minute and a 1:N face recognition capacity of 100,000 individuals enables uninterrupted shift transitions and efficient management of complex operations

YOUR TRUSTED PARTNER IN BIOMETRICS

Headquartered in Toronto, Canada, with a strong global presence across the Middle East, USA, India, Latin America, Africa, and the UK, Invixium is a leading designer and manufacturer of biometric and RTLS connected worker solutions that enhance security, productivity, and safety across industries, enterprises, and critical infrastructure. By utilizing advanced biometrics for access control, workforce and visitor management, and its RTLS solution, Invixium empowers businesses with data-driven decision-making and delivers real-time visibility, efficiency, security, safety monitoring, and actionable insights. Trusted by and deployed across major industrial worksites, global enterprises, and several Fortune 500 companies, Invixium strives to provide industry-leading solutions that are visually stunning, intuitive for ease of use, and install.

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