

Entrance Control & Parking Solution – PT Tenaris Hydril Indonesia

INDUSTRY
Manufacturing

LOCATION
Indonesia

SOLUTION
Entrance Control

ABOUT CLIENT

PT Tenaris Hydril Indonesia is a manufacturing enterprise and part of the global Tenaris Group, a world-leading manufacturer of steel pipes and tubular solutions for the energy sector. Located in Batam, the facility specializes in producing, processing, and distributing high-grade steel pipes for oil and gas applications. Guided by international quality standards and a commitment to workplace safety and sustainability, PT Tenaris plays a critical role in supporting energy infrastructure across Indonesia and global markets.

REQUIREMENTS

The client required an integrated perimeter and building entrance management system to oversee both vehicle and pedestrian access:

- **Controlled Access Management:** Establish restricted, multi-level access for employees, temporary contractors, and visitors.
- **Traffic Flow Optimization:** Eliminate entry congestion and optimize traffic flow at perimeter gates and pedestrian doorways.
- **Enhanced Facility Security:** Strengthen physical security protocols across operational zones and administrative offices.
- **Multi-Format Integration:** Support seamless compatibility with RFID cards and biometric authentication hardware.

SOLUTION

ZKTeco implemented a unified physical security and parking management architecture to control vehicle and personnel access across the Batam facility:

Vehicular Access Management: Deployed BGM560 barrier gates paired with VR10 Pro Automatic Number

Plate Recognition (ANPR) cameras to automate vehicle identification, allowing swift, hands-free access for authorized fleets while tracking entry/exit logs.

Pedestrian Entrance Control: Installed TS1000 Pro tripod turnstiles fitted with EP10C RFID readers for secure, orderly pedestrian verification.

Centralized Access Processing: Powered by InBio260 Pro IP controllers linked to a central management platform, enabling real-time monitoring, credential management, and comprehensive site event logging.

This integrated deployment automates site entry, protects critical manufacturing assets, and ensures safe, organized movement throughout the facility.

CONFIGURATION

System	Type	Model
Entrance Control	Hardware	BGM560
		VR10pro
		TS1000 Pro
		Inbio 260 Pro Package
		EP10C(MNP)
		EP20ENC
		CR20M



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