



# SMART Borders for a Growing Africa

In-land road border posts are critical economic gateways. GateNet's Border Traffic Management & Toll Collection System (BTM-TCS) modernises border operations by replacing fragmented manual processes with a unified, digitally controlled platform that improves flow, compliance, transparency and operational oversight.



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# From manual border processing to integrated border management

## The Challenge

In-land border posts often rely on disconnected systems and manual processes, resulting in:

- ⇒ Long queues and unpredictable processing times
- ⇒ Increased logistics and transport costs
- ⇒ Limited operational visibility
- ⇒ Reduced compliance and financial oversight

## The GateNet Solution

BTM-TCS is a comprehensive, end-to-end system that manages and controls the full vehicle journey through a border post — from entry to exit — across all statutory processes.

### The system supports:

- ⇒ Commercial freight, buses and light vehicles
- ⇒ Bi-directional traffic flows
- ⇒ Integrated traffic management and fee collection
- ⇒ Centralised monitoring and reporting



**Purpose  
Built**

Designed specifically for in-land road border posts, addressing real operational, infrastructure and traffic flow challenges.



**Operational  
Control**

Actively manages vehicle movement, processing stages and fee collection across the full border journey.



**Built  
Governance**

Every transaction and decision is securely recorded, ensuring transparency, auditability and long-term accountability.

## How the System Works:

### Border Traffic Management & Toll Collection System

BTM-TCS is a fully integrated operational system combining a central control platform with distributed border control devices.

#### Core System Capabilities



##### Traffic Flow & Queue Management:

Real-time visibility of queues, processing stages and station availability, with system-driven vehicle progression.



##### Border Processing & Compliance Control:

Digital management of immigration, customs, permits, inspections and final clearance within a single controlled workflow.



##### Financial Management & Auditing

Secure, transparent fee collection supporting multiple currencies, payment methods, automated reconciliation and full audit trails.



##### Business Intelligence & Reporting

Real-time dashboards and scheduled reports for operational staff and central authorities, enabling performance monitoring and optimisation.



## RELIABILITY, SECURITY & PARTNERSHIP

### Designed for operational use at scale

BTM-TCS is deployed as a standalone system at each border post, ensuring stable operation even in infrastructure-constrained environments. Optional integration enables corridor-level and multi-border reporting without disrupting local operations.



### Key Strengths:

- High Availability & Performance
- 24/7 operation with real-time system responsiveness.
- Security & Data Protection
- Encrypted communications, role-based access control and full transaction traceability.
- Business Continuity & Disaster Recovery
- Built-in failover, real-time data replication and secure backups to ensure uninterrupted operations.
- Governance & Long-Term Value
- Strong auditability, controlled access and long-term platform sustainability.



Your partner for modern border operations

GateNet delivers scalable, secure and future-ready border management solutions designed specifically for in-land road border posts across Africa.

### Contact



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