HILINKS NETWORK SOLUTIONS LTD.

DIGITAL INFRASTRUCTURE FOR SMARTER TRANSPORTATION

COMPREHENSIVE PROFILE

Transportation Information Management System

Smart Transportation. Digital Revenue. Safer Journeys. Better Management.

Comprehensive Marketing Profile

REGISTER	MANAGE	TRAVEL
digitally	intelligently	confidently

VEHICLES / DRIVERS / ROUTES / TICKETING / REVENUE

Transportation Information Management System (TIMS)

Connecting Government, Operators, Drivers, Vehicles, Motor Parks, and Passengers

The **Transportation Information Management System (TIMS)** by **Hilinks Network Solutions Ltd.** is an innovative centralized platform designed to transform how governments, transport authorities, regulatory agencies, operators, vehicle owners, drivers, motor parks, and passengers manage transportation services.

TIMS brings vehicle registration, driver profiling, operator management, route administration, passenger booking, electronic ticketing, fleet coordination, regulatory compliance, revenue monitoring, and transportation analytics into one connected digital environment.

Instead of fragmented databases, handwritten manifests, paper tickets, manual revenue collection, and limited operational visibility, stakeholders can manage their responsibilities through a secure, transparent, data-driven platform.

Every authorized transportation stakeholder should be connected to accurate information through one intelligent platform.

SMARTER OPERATIONS Connect vehicles, people, routes, and parks.	**DIGITAL REVENUE** Link payments to identifiable transactions.	**BETTER JOURNEYS** Give passengers convenient digital access.

PROFILE AT A GLANCE

One platform. Complete transportation management.

Government monitors the sector. Authorities manage compliance. Operators coordinate fleets and routes. Parks manage departures and manifests. Drivers access assigned trips. Passengers search, book, pay, and receive electronic tickets.

01	**Registration & Participants**	Vehicles, owners, drivers, operators, and digital identity
02	**Routes, Parks & Fleet**	Routes, permits, terminals, trips, fleets, and maintenance
03	**Passenger Booking & Ticketing**	Seats, tickets, manifests, and passenger information
04	**Payments & Revenue**	Digital payments, fares, collections, reconciliation, and settlements
05	**Compliance & Safety**	Regulation, inspections, permits, verification, and incidents
06	**Passenger Service & Intelligence**	Support, notifications, dashboards, analytics, and mapping
07	**Governance, Access & Scale**	Agencies, permissions, security, mobile access, APIs, and cloud

SECTION 01

Registration & Participants

Create reliable digital records for vehicles, owners, drivers, and transportation operators.

01 Digital Vehicle Registration

Register and manage commercial and public transportation vehicles.

- Registration, chassis, engine, make, model, year, colour, category, and capacity
- Owner, operator, assigned driver, route, registration date, and status
- Insurance, roadworthiness, inspections, documents, photograph, and digital ID

02 Vehicle Ownership Management

Connect each vehicle to its registered owner.

- Individuals, companies, fleet operators, cooperatives, agencies, lessors, and financiers
- Transfer requests, documents, approvals, history, lease information, and contacts

03 Digital Vehicle Identification

Connect the physical vehicle to its TIMS record.

- QR, RFID, NFC, barcode, digital vehicle numbers, permits, and certificates
- Verification of identity, operator, route, driver, and compliance

04 Driver Registration and Profiling

Maintain complete commercial-driver profiles.

- Identity, photograph, address, contacts, and emergency details
- Licence category and expiry, operator, vehicle, route, and status
- Training, compliance, incidents, and uploaded documents

05 Driver Documentation and Licence Monitoring

Track driver licences and required records.

- Expiry and renewal alerts
- Missing documents, suspension, incomplete registration, and mandatory training

This helps prevent unauthorized or improperly documented operation.

06 Transport Operator Management

Register companies, unions, cooperatives, and independent operators.

- Business, licence, category, routes, vehicles, drivers, parks, branches, and contacts
- Compliance, revenue, documents, and active, inactive, suspended, or restricted status

07 Operator Self-Service Portal

Give approved operators secure digital access.

- Maintain profiles, vehicles, drivers, documents, routes, schedules, and fares
- Manage bookings, manifests, ticket revenue, vehicle activity, and reports

SECTION 02

Routes, Parks & Fleet

Coordinate routes, terminals, schedules, vehicles, drivers, trips, and maintenance.

08 Route Management

Define and control approved transportation routes.

- Origin, destination, stops, pickup and drop-off points
- Distance, travel time, zone, category, operators, vehicle types, fares, and restrictions

09 Route Authorization and Operator Assignment

Control who may operate on particular routes.

- Applications, operator, vehicles, drivers, periods, approvals, permit number, validity, and conditions
- Renewals, suspensions, and restrictions

10 Motor Park and Terminal Management

Digitally manage parks, terminals, loading points, and hubs.

- Park identity, location, authority, operators, routes, vehicles, and bays
- Departures, arrivals, passenger activity, fees, revenue, and status

11 Departure and Trip Scheduling

Create and publish planned trips.

- Operator, vehicle, driver, route, origin, destination, dates, and times
- Available seats, fare, status, and passenger manifest

12 Fleet Management

Manage transportation fleets centrally.

- Vehicles, drivers, routes, availability, capacity, trips, and status
- Insurance, maintenance, inspection, fuel, expiry, and incidents

13 Vehicle Maintenance Management

Maintain service and repair histories.

- Service date and type, mileage, faults, work, parts, provider, and cost
- Next service, documents, and vehicle downtime

Maintenance reminders can improve reliability and passenger safety.

SECTION 03

Passenger Booking & Ticketing

Extend transportation access beyond the motor park with digital booking, seats, tickets, and manifests.

14 Online Passenger Booking

Let passengers search for and reserve services digitally.

- Origin, destination, date, operator, departure time, and approved fare
- Seat selection, passenger data, payment, confirmation, ticket, and booking history

15 Seat Selection and Availability Management

Manage seating arrangements in real time.

- Available, reserved, paid, held, and unavailable seats
- Seat numbers and vehicle capacity

Real-time updates reduce duplicate bookings.

16 Electronic Ticketing

Replace conventional paper tickets with secure electronic records.

- Ticket and transaction references, passenger, operator, vehicle, driver, and route
- Date, time, seat, fare, status, QR code, and verification information

17 Electronic Ticket Verification

Verify tickets before boarding or during a journey.

- QR scanning, reference search, passenger search, mobile display, and printed ticket
- Valid, used, cancelled, refunded, or invalid status

18 Digital Passenger Manifest

Generate trip manifests automatically from bookings.

- Passengers, contacts, emergency details, seats, tickets, payments, boarding, and destination
- Vehicle, driver, and trip reference

19 Passenger Information Management

Maintain structured information for legitimate service needs.

- Booking, journey records, support, emergency response, planning, statistics, and demand analysis
- Controlled access and privacy-aware handling

SECTION AT A GLANCE

SEARCH Find routes and departures.	**BOOK** Choose a seat and pay.	**TRAVEL** Use a verified digital ticket.

SECTION 04

Payments & Revenue

Digitize fares, collections, government charges, reconciliation, and stakeholder settlements.

20 Online Payment Integration

Accept approved digital payments.

- Cards, transfers, gateways, virtual accounts, mobile banking, USSD, wallets, and agents
- Automatic booking updates and digital receipts

21 Fare Management

Configure fares according to approved policy.

- Route, operator, vehicle, passenger category, date, class, and period
- Regulation, seasonal pricing, special services, and approval workflows

22 Digital Revenue Monitoring

Improve visibility into transportation revenue.

- Tickets, operator payments, registrations, route permits, parks, levies, inspections, licences, and penalties
- Connection of every payment to an identifiable transaction

23 Revenue Collection and Reconciliation

Compare expected and actual collections.

- Ticket revenue, outstanding payments, operators, routes, parks, vehicles, and channels
- Daily and monthly collections and transaction exceptions

24 Operator Settlements and Commission Management

Calculate amounts due across a revenue-sharing model.

- Operator earnings, government levies, park fees, service charges, agent commissions, deductions, and refunds
- Outstanding settlements, approvals, payments, and history

SECTION AT A GLANCE

COLLECT	RECONCILE	SETTLE
Capture approved payments.	Compare expected and actual revenue.	Distribute accountable earnings.

SECTION 05

Compliance & Safety

Strengthen regulation, vehicle inspection, permit control, field verification, and incident management.

25 Regulatory Compliance Management

Monitor transportation compliance centrally.

- Vehicle, driver, operator, route, insurance, roadworthiness, inspection, capacity, fares, parks, and safety
- Flagging for review or enforcement

26 Vehicle Inspection Management

Schedule and document vehicle inspections.

- Vehicle, date, location, officer, category, checklist, faults, and photographs
- Decision, corrective action, reinspection, and certificate

27 Permit and Certificate Management

Generate and monitor approved transportation credentials.

- Vehicle and driver certificates, operator and route permits, inspections, parks, and special permits
- Reference, issue date, expiry, status, and verification

28 Compliance Alerts and Renewal Reminders

Notify stakeholders before obligations become overdue.

- Registration, licences, permits, routes, insurance, roadworthiness, inspections, and missing documents

29 Enforcement and Field Verification

Let authorized officers verify records in the field.

- Vehicle, ownership, driver, licence, operator, route, permit, inspection, insurance, and compliance status

30 Incident and Violation Management

Document transportation incidents and regulatory violations.

- Type, date, location, vehicle, driver, operator, description, officer, photographs, and witnesses
- Enforcement action, penalty, and resolution status

SECTION 06

Passenger Service & Intelligence

Improve passenger communication and turn operational data into useful transportation intelligence.

31 Passenger Complaints and Customer Support

Manage enquiries and service requests.

- Booking, payment, cancellation, delay, lost property, conduct, fare, verification, and safety
- Assignment, tracking, escalation, and resolution

32 Trip Cancellation and Refund Management

Manage cancelled or rescheduled journeys.

- Cancellation, passenger notification, alternatives, rescheduling, refund request, approval, and status

33 SMS, Email and Digital Notifications

Communicate with drivers, operators, passengers, owners, and administrators.

- Bookings, payments, tickets, departures, delays, cancellations, routes, compliance, permits, inspections, and emergencies

34 Transportation Authority Dashboard

Give government and regulators a visual operational overview.

- Operators, vehicles, drivers, routes, parks, trips, passengers, tickets, and revenue
- Compliance, expiry, incidents, and recent transactions

35 Transport Operator Dashboard

Give operators a focused business view.

- Vehicles, drivers, routes, trips, bookings, occupancy, tickets, and revenue
- Compliance, maintenance, and complaints

36 Transportation Analytics and Reporting

Convert records into actionable reports.

- Vehicles, drivers, operators, routes, parks, passengers, trips, bookings, occupancy, and tickets
- Revenue, compliance, inspection, incidents, and operator performance

37 Transportation Planning Intelligence

Support evidence-based policy and infrastructure planning.

- Demand, routes, peak periods, passenger movement, operators, vehicles, parks, revenue, shortages, congestion, and compliance trends

38 Geographic and Route-Mapping Integration

Connect TIMS with compatible location services.

- Routes, parks, pickup points, destinations, zones, distances, travel time, vehicle location, coverage, and restrictions

SECTION 07

Governance, Access & Scale

Coordinate agencies, control permissions, protect information, support field access, and scale the platform.

39 Multi-Agency Access

Support participating public institutions in one controlled platform.

- Transport ministries, authorities, parks, revenue, inspections, road safety, councils, enforcement, and emergency services
- Agency-specific access

40 Role-Based Access and Permissions

Restrict access according to responsibility.

- Government, regulatory, revenue, compliance, inspection, park, operator, fleet, booking, finance, support, owner, driver, and passenger roles

41 Audit Trail and Activity Monitoring

Record important user activities.

- User, action, date, time, previous and updated information, decision, reference, comments, documents, and access details

42 Data Security and Privacy Controls

Protect transportation information through appropriate controls.

- Authentication, passwords, roles, privileges, encryption, verification, sessions, monitoring, backups, recovery, and privacy

43 Multi-State, Multi-Region and Multi-Branch Management

Organize operations across geographic and business structures.

- State, council, region, district, operator branch, park, route, and transport zone

44 Mobile-Friendly Passenger Experience

Give passengers convenient access across devices.

- Route search, operators, schedules, seats, booking, payment, tickets, history, notifications, and support

45 Mobile-Friendly Field Operations

Support drivers, park staff, inspectors, and enforcement teams.

- Ticket and manifest access, vehicle, driver, and permit verification
- Inspections, incidents, status updates, and photographs

46 API and Third-Party Integration

Connect approved external systems.

- Payments, banks, identity, vehicles, licences, insurance, roadworthiness, maps, messages, accounting, revenue, apps, and transportation services

47 Secure Cloud-Based Deployment

Provide centralized, scalable web access.

- Multi-location connectivity, backups, updates, scalable resources, recovery, remote administration, and availability

SECTION AT A GLANCE

CONNECT	SECURE	SCALE
Serve agencies and locations.	Control access and activity.	Grow the transportation network.

A CENTRALIZED TRANSPORTATION ECOSYSTEM

Every major stakeholder, intelligently connected

GOVERNMENT & AUTHORITIES	Policy, oversight, revenue visibility, compliance, planning, and reporting.
TRANSPORT OPERATORS	Company, fleet, driver, route, booking, ticketing, and revenue management.
VEHICLES & DRIVERS	Digital registration, identity, documentation, assignment, and compliance.
MOTOR PARKS & ROUTES	Parks, routes, trips, operators, manifests, and operational reporting.
PASSENGERS	Search, booking, seats, payments, electronic tickets, and notifications.

KEY BENEFITS

A stronger transportation management model

Administration	Coordinate transportation records and workflows in one environment.
Revenue transparency	Improve visibility through electronic ticketing and payments.
Reduced leakage	Connect every charge to an identifiable service or transaction.
Compliance	Monitor vehicles, drivers, operators, routes, permits, and inspections.
Passenger convenience	Search, select, pay, and receive tickets digitally.
Accountability	Record registrations, approvals, bookings, payments, and enforcement.
Planning	Use reliable data for demand, performance, and infrastructure decisions.
Efficiency	Reduce paperwork, duplication, manual calculations, and fragmentation.
Safety oversight	Use driver, vehicle, maintenance, inspection, and incident information.
Scalability	Support more agencies, regions, operators, parks, routes, and passengers.

BUILT FOR GOVERNMENTS & TRANSPORT OPERATORS

Designed for diverse transportation environments

- Federal, state, and local transportation institutions
- Transport ministries, management authorities, park authorities, regulators, inspection bodies, and revenue agencies
- Public and private transportation companies
- Interstate, intrastate, bus, taxi, and shuttle operators
- Fleet managers, transport unions, and cooperative societies
- Educational and corporate staff transportation providers

WHY HILINKS NETWORK SOLUTIONS LTD.?

Technology configured around real transportation needs

Innovation	Modern technology designed around transportation challenges.
Transparency	Visibility into operators, routes, bookings, payments, revenue, and compliance.
Efficiency	Reduced paperwork and manual administration.
Security	Controlled access and structured protection for sensitive information.
Scalability	Support for expanding transportation networks.
Data-driven decisions	Reliable information for planning, regulation, and policy.

IMPLEMENTATION & SUPPORT

- Transportation-process assessment and requirements analysis
- Platform, route, motor park, revenue, branding, and role configuration
- Operator, vehicle, and driver data migration
- Payment, mapping, communication, and third-party integration
- User training, deployment assistance, technical support, and maintenance
- Continuous improvement and custom module development

THE FUTURE OF TRANSPORTATION MANAGEMENT IS DIGITAL

From motor parks to intelligent digital platforms

Transportation is an ecosystem involving passengers, drivers, vehicles, operators, routes, parks, regulations, payments, revenue, and information. TIMS brings these components together through one unified digital platform.

From registration to booking. From ticketing to revenue. From compliance to enforcement. From data collection to informed decision-making.

Manage Smarter. Travel Better. Grow Faster.

MARKETING TAGLINES

- Smart Transportation Starts with Smart Information.
- Transforming Transportation Through Technology.
- One Platform. Complete Transportation Management.
- Digitizing Transportation. Connecting People. Improving Revenue.
- From Motor Parks to Digital Platforms.
- Smarter Routes. Safer Journeys. Better Management.
- The Digital Backbone of Modern Transportation.
- Connecting Government, Operators, Drivers, and Passengers.
- Your Transportation Network, Digitally Managed.
- Digital Registration. Smart Ticketing. Transparent Revenue.
- Better Data for Better Transportation.
- Modern Transportation Begins with TIMS.

HILINKS NETWORK SOLUTIONS LTD.

Transform transportation through technology.

One connected platform for registration, routes, parks, fleets, passengers, ticketing, revenue, compliance, and transportation intelligence.

Smart Transportation. Digital Revenue. Safer Journeys. Better Management.

Powered by Hilinks Network Solutions Ltd.