NW
INTEGRATED SOLUTIONS

COMPANY PROFILE / V4.1

NW Integrated Solutions

Digital transformation and IoT solutions for Saudi Arabia.

Connecting field operations, devices and enterprise systems.



RIYADH / SAUDI ARABIA

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Contents

- About us • Vision, mission and values
- Products and services • Technical team
- Smart mobility • Industry 4.0
- Geographical coverage • Success partners • Contact



SAUDI ARABIA

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About Us

- NW Integrated Solutions delivers digital transformation and IoT solutions for major projects in Saudi Arabia.
- We tailor IT, connected sensors, communications and infrastructure to the needs of each operation.
- Our specialists and engineers support deployment and reliable day-to-day operation.



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Vision, Mission & Values

VISION

To be a trusted partner for AI, IoT, and digital transformation in Saudi Arabia.

MISSION

To connect systems, devices, and field teams on one platform so organizations can streamline operations and measure performance.

VALUES

Innovation · Collaboration · Adaptability
Integrity · Empathy



RIJAL ALMAA / ASIR, SAUDI ARABIA

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Your Systems One Platform

- Systems integration: Connect internal systems and synchronize work orders and status updates through APIs.
- Connected operations: Monitor fleets, waste operations, logistics, maintenance, warehouses, and IoT devices on one platform.
- AI and analytics: Use existing CCTV to flag predefined events and monitor operational KPIs.



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Products & Services

One platform for connected field operations.

FLEET & LOGISTICS
Track vehicles, plan routes, and monitor deliveries.

WASTE MANAGEMENT
Schedule collections, track equipment, and record volumes.

COLD CHAIN MONITORING
Monitor temperature and humidity in transit and storage.

SMART PARKING
Manage access and monitor parking availability.



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Fleet Management System

Manage vehicles, routes, and deliveries from one platform.

LIVE VEHICLE TRACKING
View GPS location, speed, and operating status.

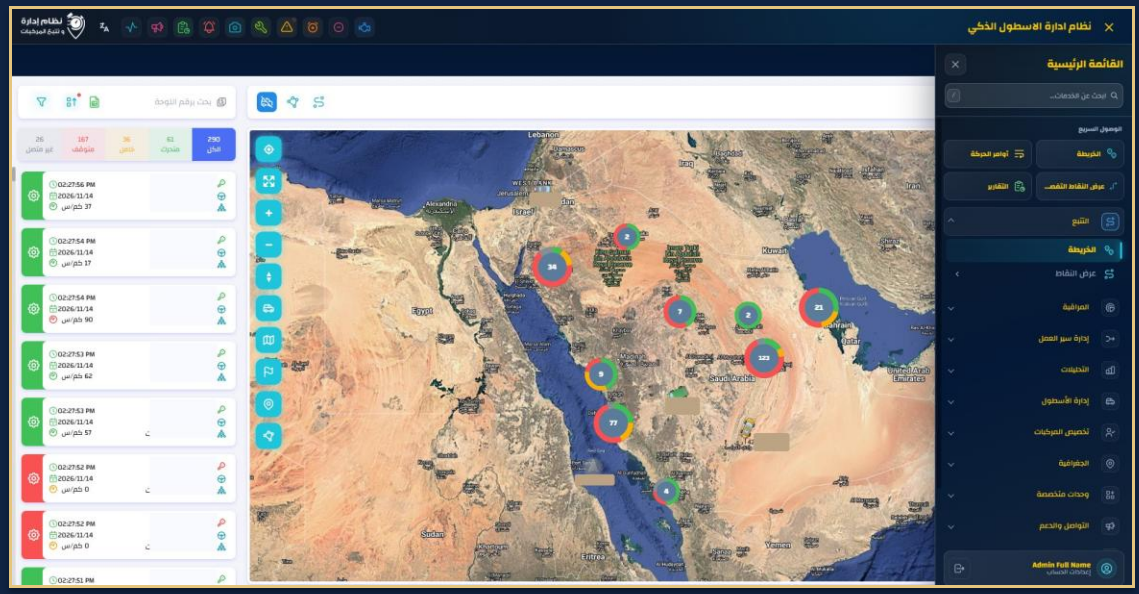
ROUTES & TRIP HISTORY
Plan routes and review completed journeys.

ALERTS & GEOFENCING
Receive alerts when vehicles enter or leave designated areas.

FLEET PERFORMANCE
Monitor utilization, idling, and fuel consumption.



LIVE FLEET MAP



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COMPANY PROFILE / WASTE MANAGEMENT

Waste Management & Madinati

Plan, track, and verify municipal cleaning operations.

COLLECTION & TRANSPORT

Schedule routes, track vehicles and compactors, and record collected and transported volumes.

STREET SWEEPING & BIN WASHING

Plan sweeper routes and washing rounds, and monitor completion against the schedule.

MADINATI & FIELD SUPPORT

Support monitoring through Madinati, Jeddah Municipality’s platform, with field installation and support for tracking equipment.



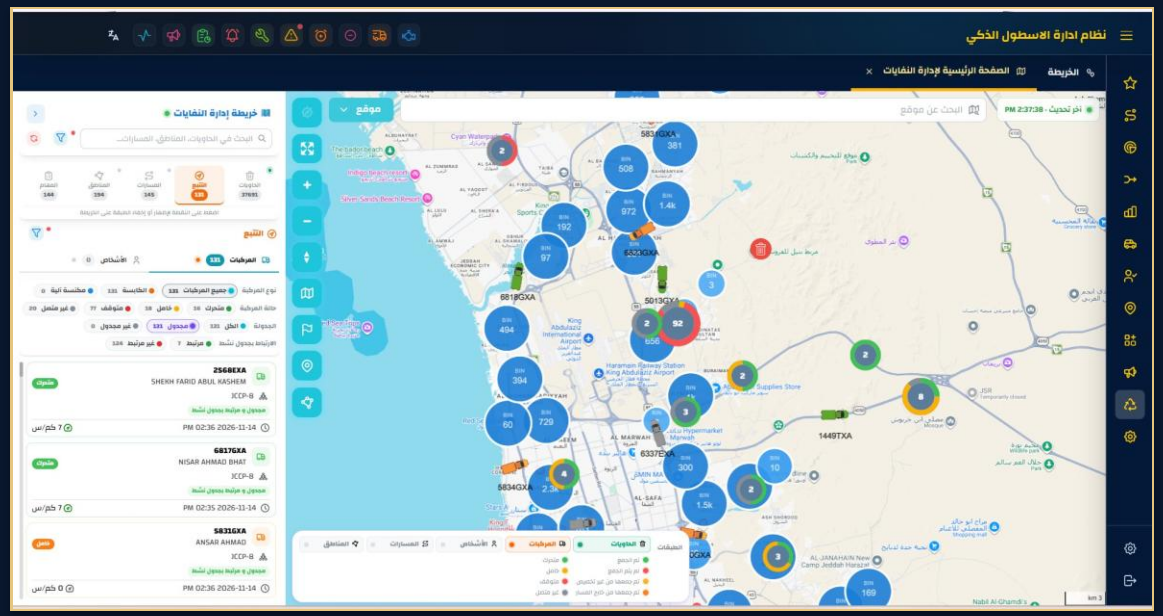
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COMPANY PROFILE / SYSTEM VIEWS

Waste Operations Platform

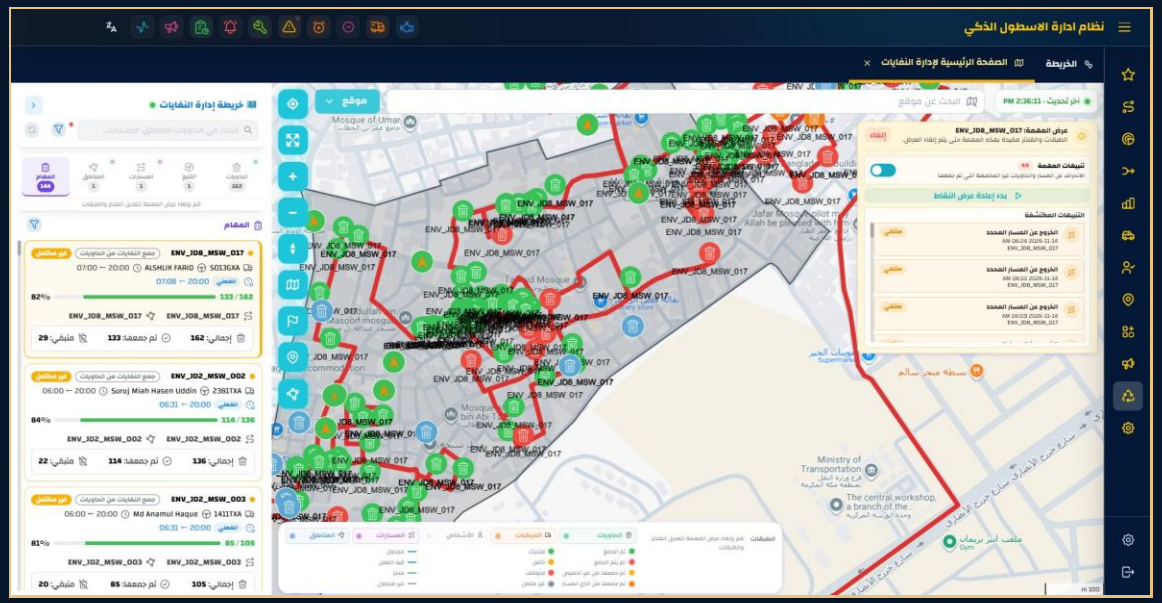
Monitor assets across the city and verify completion at collection points.

FLEET & BIN MONITORING



View vehicle status and bin distribution across service areas.

ROUTE EXECUTION & ALERTS



Review collection progress and flag route deviations.

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Analytical Dashboard

WASTE OPERATIONS

Track adherence to compactor, street-sweeping, and bin-washing schedules. Monitor water use and sweeper brush activity.

SERVICE REQUESTS

Track open and closed reports, on-time closures, and average resolution time. Analyze reports by source and issue type.

FLEET PERFORMANCE

Monitor vehicle utilization, operating hours, idling, fuel consumption, alerts, and vehicle readiness.



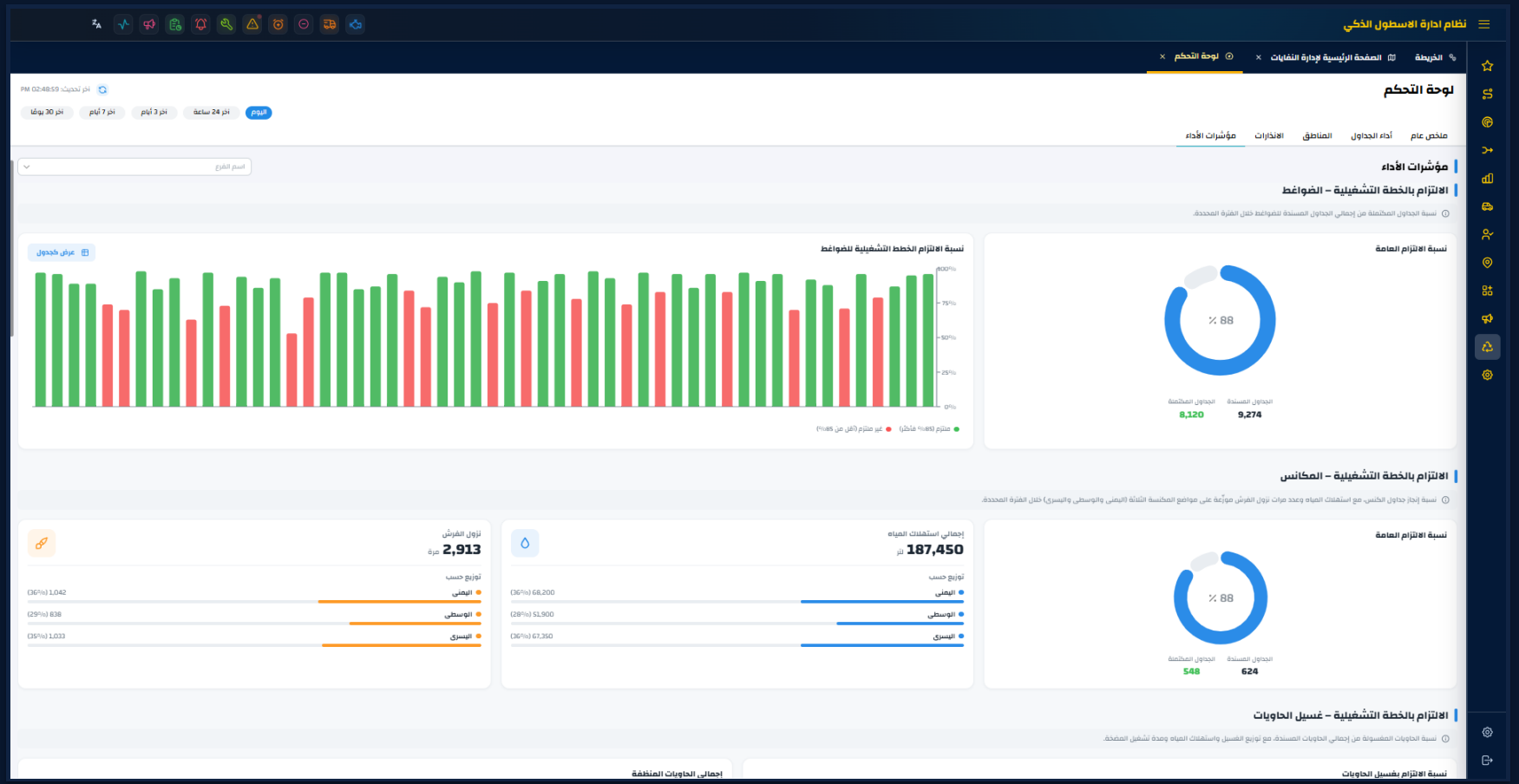
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WASTE MANAGEMENT / 01

Waste Operations Performance

Track execution against the operating plan.



COMPACTORS

Compare completed schedules with assigned schedules.

STREET SWEEPERS

Track schedule adherence, water use and brush activity.

BIN WASHING

Follow washing schedules and completion.



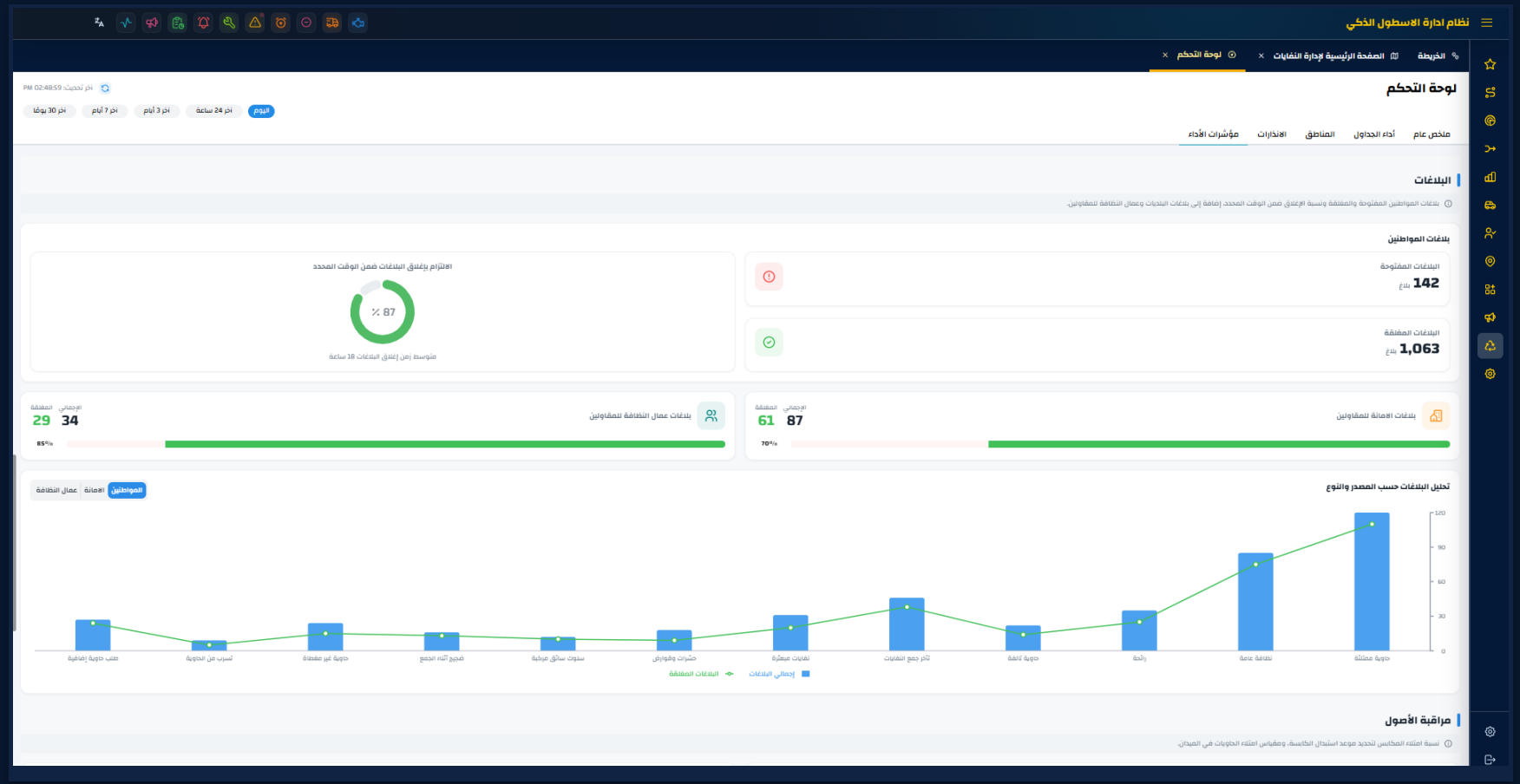
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WASTE MANAGEMENT / 02

Waste Service Requests

Measure how quickly reports are resolved.



OPEN & CLOSED REPORTS

Monitor the backlog and completed reports.

CLOSURE PERFORMANCE

Track on-time closures and average time to resolve.

REPORT ANALYSIS

Compare reports by source and issue type.



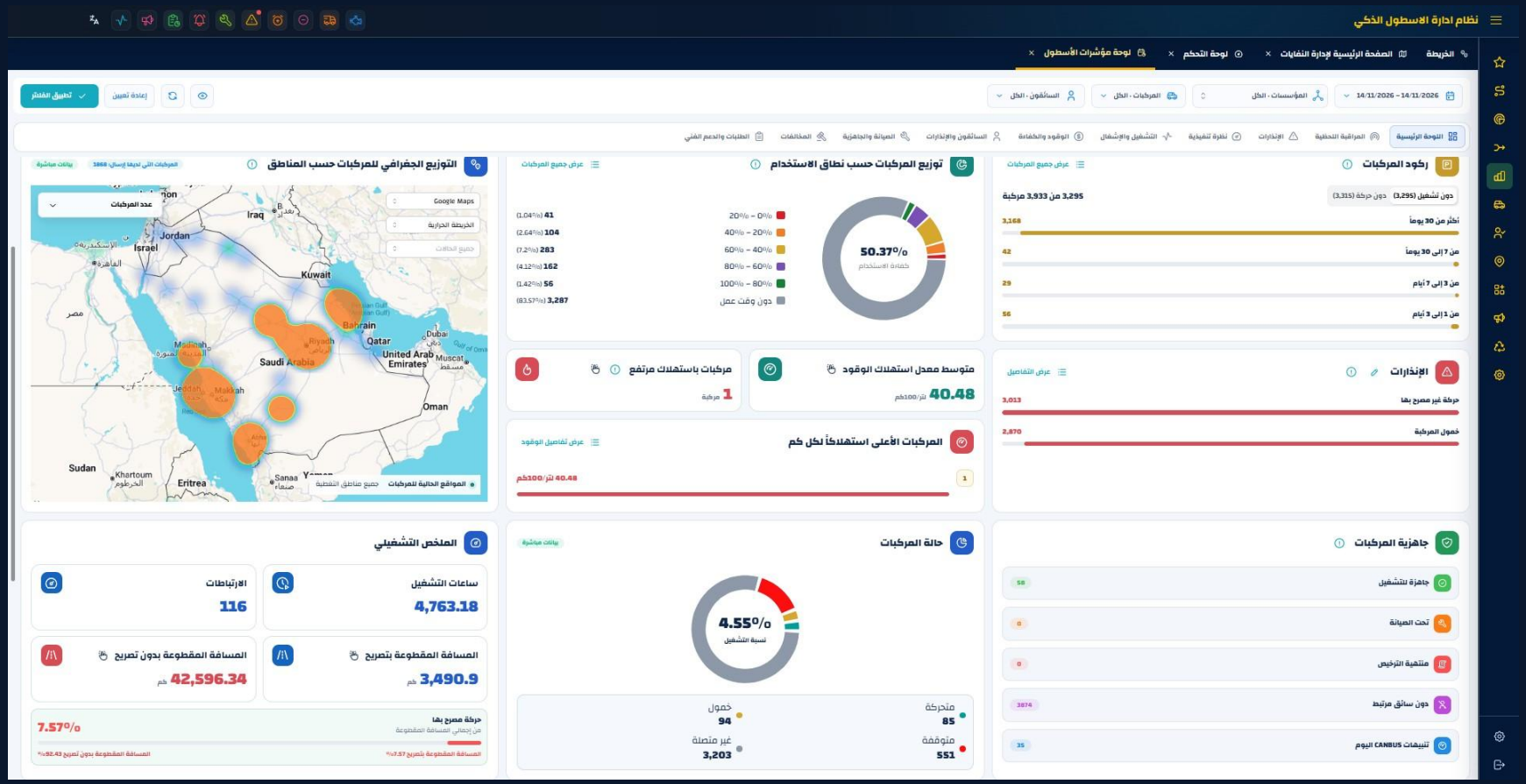
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FLEET MANAGEMENT / 03

Fleet Performance Dashboard

Review vehicle use, readiness, and exceptions.



UTILIZATION

Review vehicle distribution, operating hours and idle time.

FUEL & ALERTS

Monitor fuel consumption and operational alerts.

VEHICLE READINESS

Review vehicle status and maintenance readiness.



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COMPANY PROFILE / COLD CHAIN

Cold Chain & Logistics Solutions

Track the shipment and the conditions it travels in.

MONITOR STORAGE & TRANSIT

Track temperature and humidity in cold rooms, warehouses, and refrigerated vehicles.

COORDINATE DELIVERIES

Follow routes, arrival times, delivery stops, and completion status.

REVIEW EXCEPTIONS

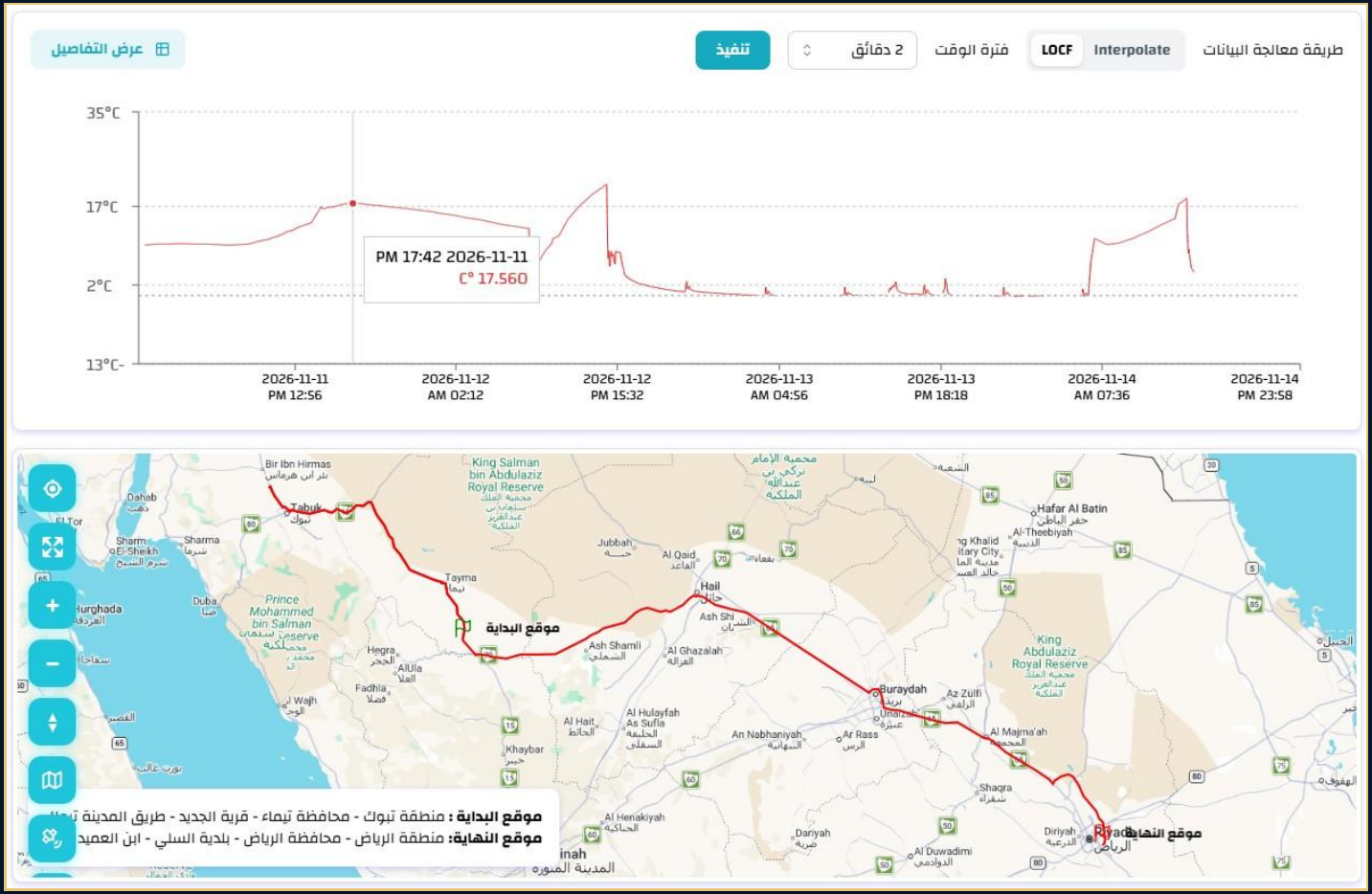
Use sensor trends, alerts, and trip records to investigate deviations and delays.



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COLD CHAIN / SYSTEM VIEW

Temperature & Trip Traceability



TEMPERATURE HISTORY

Review time-stamped readings along the journey.

ROUTE CONTEXT

Use the mapped trip to put temperature changes in context.

EXCEPTION REVIEW

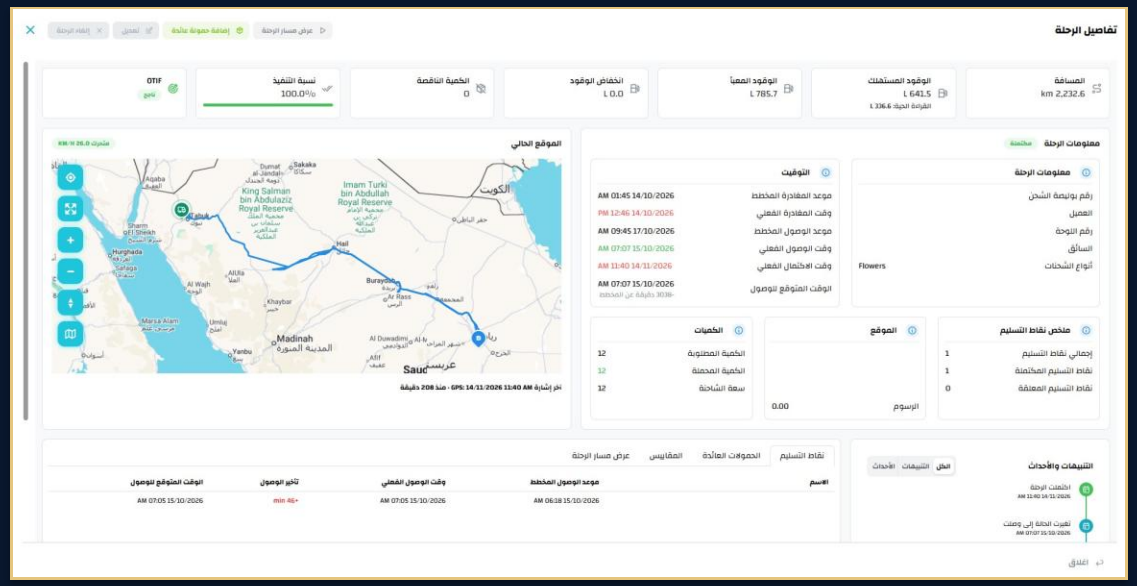
Investigate deviations and retain a record for follow-up.

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LOGISTICS / SYSTEM VIEWS

Delivery Execution & Vehicle Performance

DELIVERY EXECUTION



Review planned vs. actual arrivals, delivery stops, load quantities, and on-time, in-full status (OTIF).

VEHICLE PERFORMANCE



Review vehicle utilization, fuel and speed trends, and operational alerts alongside delivery results.

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COMPANY PROFILE / SMART MOBILITY

Smart Parking Solutions

From vehicle arrival to exit, manage parking operations in one place.

01 RECOGNIZE & ADMIT

Identify vehicles at entry and manage access with connected cameras and barriers.

02 MONITOR & GUIDE

Track available bays by zone and share updates with apps and guidance signs.

03 CLOSE & REVIEW

Record exits and payments where enabled. Review occupancy and parking activity.



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SMART MOBILITY / CONCEPT VIEW

Smart Parking Control Center

A unified operator view of access, occupancy, guidance, and exit activity.

NW / PARKING OPERATIONS

ILLUSTRATIVE INTERFACE

TOTAL BAYS	OCCUPIED	AVAILABLE	OCCUPANCY
120	84	36	70%

PARKING ZONE / LIVE BAY VIEW

01	02	03	04	05	06	07	08
09	10	11	12	13	14	15	16

Available Occupied

CONNECTED SERVICES

Entry & exit	Plate recognition and barriers
Guidance	Availability in apps and on signs
Integration	APIs and payment systems

Sample data shown for illustration.

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COMPANY PROFILE / FIELD OPERATIONS

Technical Field Team

Precise installation. Verified performance.

01 INSTALL EFFICIENTLY

Coordinate vehicle access, device installation and configuration to reduce time out of service.

02 VERIFY QUALITY

Inspect mounting and cable routing. Confirm GPS and data transmission before handover.

03 DOCUMENT & HAND OVER

Record installation and test results, then hand over under the agency’s supervision.

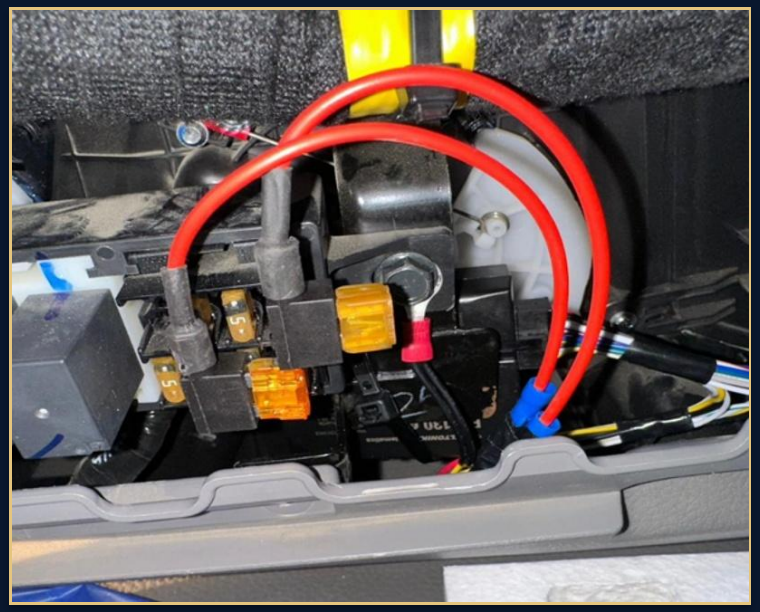


TABUK / ILLUSTRATIVE SCENE

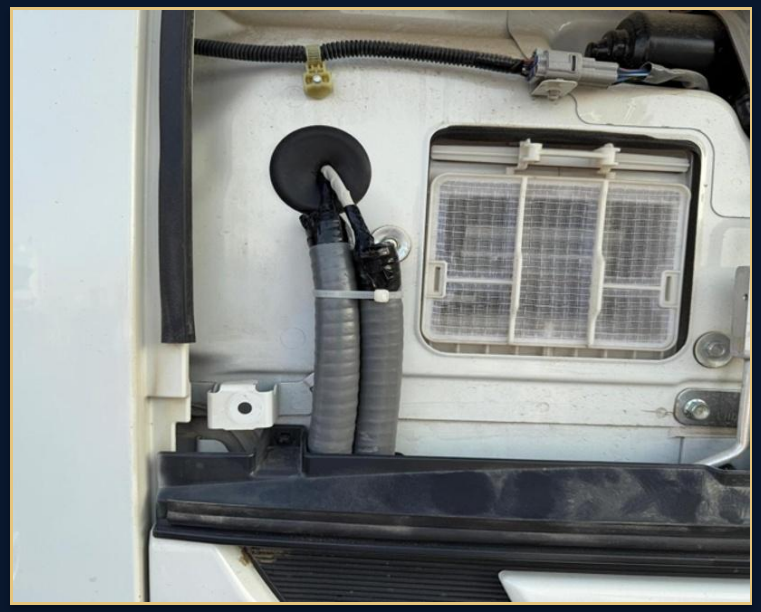
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Installation & Quality Checks

Field photographs showing vehicle installation details.



EQUIPMENT CONNECTIONS



PROTECTED CABLE ROUTING



SHIELDED CABLE PREPARATION

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AI for Smart Mobility

Driver alerts and cargo oversight for safer fleet operations.

DRIVER BEHAVIOR & ROAD SAFETY

AI alerts flag signs of drowsiness and unsafe behavior so teams can intervene early and help reduce crash risk for all road users.

CABIN & CARGO SECURITY

Review in-cabin alerts and video to investigate suspected theft or signs of excess loads.

LOADING & UNLOADING

Use live feeds and recordings to verify cargo handling and review loading and unloading events.



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SMART MOBILITY / SYSTEM VIEWS

From Vehicle to Control Center



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Smart Industrial Operations

Industrial IoT & AI-Powered Computer Vision

CONNECT EQUIPMENT & SENSORS

Bring machine status, operating hours, and sensor readings into one platform.

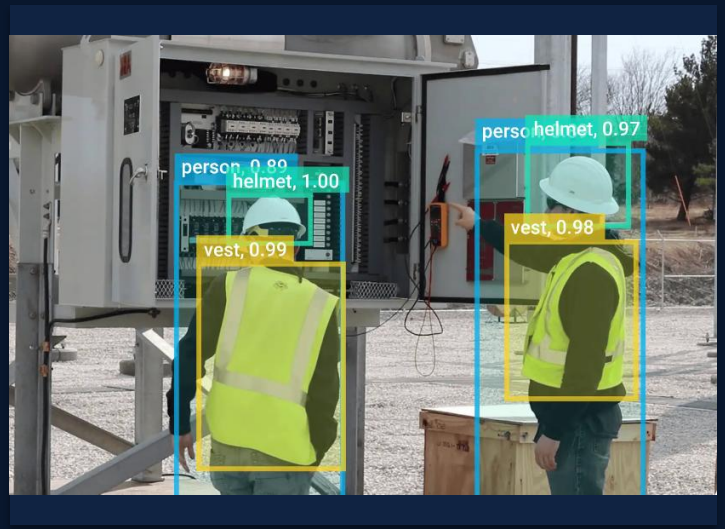
DETECT SAFETY EVENTS

Analyze existing CCTV feeds to flag defined events, including PPE and visible flames.

INVESTIGATE WITH CONTEXT

Review alerts, sensor trends, and footage to prioritize inspection and follow-up.

HELMET & VEST DETECTION



VISIBLE FLAME DETECTION



Computer vision examples supplied for illustration.

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Asset Management & RTLS

Find tagged assets and trace their movement across your facility.

IDENTIFY & LOCATE ASSETS

Scan the barcode to identify the shipment.
Use its RTLS tag to find its last reported location.

MONITOR MOVEMENT BETWEEN ZONES

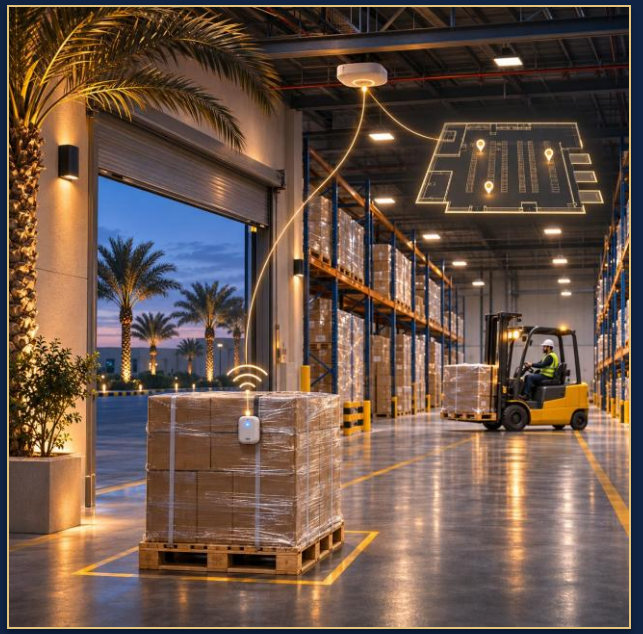
Review movement history and flag configured zone entries or exits.

FIND THE RIGHT ASSET BEFORE DISPATCH

Example: Check whether a tagged pallet is in staging or still in storage before loading.



TAG & BARCODE DETAIL



CONNECTED WAREHOUSE

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Geographical Coverage

Operating across the Kingdom of Saudi Arabia.

HEAD OFFICE

Riyadh

OUR BRANCHES

Jeddah and Dammam



HEAD OFFICE • BRANCHES • SERVICE LOCATIONS



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Success Partners



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PARTNERSHIPS / CUSTOMER CARE

Partner With Us

تواصل معنا كشريك

Let’s discuss how connected technology can support your operations, from deployment to day-to-day service.

PARTNERSHIP INQUIRIES

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CUSTOMER CARE

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