

ttms_user	
id	integer
email	varchar(255) <b>NN</b>
password_hash	varchar(255)
first_name	varchar(60)
last_name	varchar(60)
phone	varchar(20)
role	varchar(20)
facility_id	integer
is_active	boolean
last_login	timestamp
created_at	timestamp
updated_at	timestamp

parking_cell	
id	integer
facility_id	integer <b>NN</b>
zone_id	integer <b>NN</b>
label	varchar(50) <b>NN</b>
status	varchar(20)
vehicle_id	integer
area	varchar(50)
is_deleted	boolean
deleted_at	timestamp
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

vehicle_stage	
id	integer
vehicle_id	integer <b>NN</b>
stage	varchar(30)
state	varchar(20)
wait_time	integer
standard_time	integer
started_at	timestamp
finished_at	timestamp
time_taken	integer
performed_by_id	integer
notes	text
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

queue_ticket	
id	integer
appointment_id	integer <b>NN</b>
vehicle_id	integer <b>NN</b>
bay_id	integer
number	varchar(20) <b>NN</b>
position	integer
status	varchar(20)
called_at	timestamp
served_at	timestamp
completed_at	timestamp
cancelled_at	timestamp
created_at	timestamp
updated_at	timestamp

shipment	
id	integer
facility_id	integer <b>NN</b>
reference_no	varchar(80) <b>NN</b>
customer_name	varchar(120)
destination	varchar(255)
incoterm	varchar(20)
status	varchar(20)
scheduled_load_date	date
actual_load_start	timestamp
actual_load_end	timestamp
is_deleted	boolean
deleted_at	timestamp
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

vehicle_document	
id	integer
vehicle_id	integer <b>NN</b>
document_id	integer <b>NN</b>
verified_by_id	integer
verified_at	timestamp
status	varchar(20)
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

audit_log	
id	integer
actor_id	integer
action	varchar(20)
entity_type	varchar(80) <b>NN</b>
entity_id	varchar(64) <b>NN</b>
before	jsonb
after	jsonb
ip_address	varchar(45)
user_agent	text
created_at	timestamp

facility	
id	integer
code	varchar(30) <b>NN</b>
name	varchar(120) <b>NN</b>
address	text
timezone	varchar(64)
is_active	boolean
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

carrier	
id	integer
name	varchar(120) <b>NN</b>
code	varchar(30)
contact_info	jsonb
is_active	boolean
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

vehicle_entry	
id	integer
vehicle_id	integer <b>NN</b>
facility_id	integer <b>NN</b>
gate_id	integer
purpose	varchar(20)
area	varchar(50)
position	varchar(50)
loading_gate	varchar(50)
gate_entry_time	timestamp <b>NN</b>
gate_exit_time	timestamp
entry_operator_id	integer
exit_operator_id	integer
is_deleted	boolean
deleted_at	timestamp
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

inspection_checklist	
id	integer
name	varchar(120) <b>NN</b>
version	varchar(30)
scope	varchar(20)
active	boolean
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

cargo_item	
id	integer
shipment_id	integer <b>NN</b>
sku	varchar(80)
description	varchar(255)
quantity	decimal(12,3) <b>NN</b>
uom	varchar(20)
weight_kg	decimal(12,3)
volume_cbm	decimal(12,3)
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

shipment_document	
id	integer
shipment_id	integer <b>NN</b>
document_id	integer <b>NN</b>
verified_by_id	integer
verified_at	timestamp
status	varchar(20)
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

activity_log	
id	integer
actor_id	integer
activity	varchar(120) <b>NN</b>
context	jsonb
created_at	timestamp

zone	
id	integer
facility_id	integer <b>NN</b>
code	varchar(30) <b>NN</b>
name	varchar(120) <b>NN</b>
type	varchar(20)
is_deleted	boolean
deleted_at	timestamp
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

driver	
id	integer
carrier_id	integer
first_name	varchar(60) <b>NN</b>
last_name	varchar(60)
phone	varchar(20)
license_no	varchar(50) <b>NN</b>
license_valld_till	date
status	varchar(20)
is_deleted	boolean
deleted_at	timestamp
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

gate_event	
id	integer
facility_id	integer <b>NN</b>
gate_id	integer <b>NN</b>
vehicle_id	integer <b>NN</b>
direction	varchar(10)
event_time	timestamp <b>NN</b>
operator_id	integer
source	varchar(20)
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

inspection_item	
id	integer
checklist_id	integer <b>NN</b>
code	varchar(30) <b>NN</b>
description	varchar(255) <b>NN</b>
datatype	varchar(20)
required	boolean
min_val	decimal(10,2)
max_val	decimal(10,2)
options	jsonb
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

loading_unloading_operation	
id	integer
vehicle_id	integer <b>NN</b>
shipment_id	integer <b>NN</b>
bay_id	integer <b>NN</b>
operation_type	varchar(20)
status	varchar(20)
assigned_supervisor_id	integer
planned_start	timestamp
planned_end	timestamp
actual_start	timestamp
actual_end	timestamp
metrics	jsonb
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

system_alert	
id	integer
facility_id	integer
zone_id	integer
vehicle_id	integer
alert_type	varchar(30)
severity	varchar(20)
message	text <b>NN</b>
acknowledged	boolean
acknowledged_by_id	integer
acknowledged_at	timestamp
extra	jsonb
created_at	timestamp

shift	
id	integer
facility_id	integer <b>NN</b>
name	varchar(60) <b>NN</b>
start_time	time <b>NN</b>
end_time	time <b>NN</b>
is_active	boolean
created_at	timestamp
updated_at	timestamp

gate	
id	integer
facility_id	integer <b>NN</b>
name	varchar(50) <b>NN</b>
direction	varchar(10)
is_active	boolean
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

driver_document	
id	integer
driver_id	integer <b>NN</b>
document_type_id	integer <b>NN</b>
document_id	integer <b>NN</b>
is_primary	boolean
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

weighbridge_record	
id	integer
facility_id	integer <b>NN</b>
vehicle_id	integer <b>NN</b>
weigh_type	varchar(10)
weight_kg	integer <b>NN</b>
source	varchar(30)
captured_at	timestamp <b>NN</b>
operator_id	integer
photo_url	varchar(500)
extra	jsonb
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

inspection	
id	integer
checklist_id	integer <b>NN</b>
vehicle_id	integer <b>NN</b>
shipment_id	integer
status	varchar(20)
started_at	timestamp
finished_at	timestamp
inspector_id	integer
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

document_type	
id	integer
code	varchar(30) <b>NN</b>
name	varchar(120) <b>NN</b>
category	varchar(20)
validity_days	integer
issuer	varchar(120)
requirements	jsonb
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

kpi_metrics	
id	integer
facility_id	integer
metric_date	date <b>NN</b>
avg_turnaround_time	integer
total_vehicles	integer
completed_vehicles	integer
delayed_vehicles	integer
utilization_rate	decimal(5,2)
throughput	integer
metadata	jsonb
created_at	timestamp
updated_at	timestamp

user_shift_assignment	
id	integer
user_id	integer <b>NN</b>
shift_id	integer <b>NN</b>
assignment_date	date <b>NN</b>
created_at	timestamp
updated_at	timestamp

loading_bay	
id	integer
facility_id	integer <b>NN</b>
zone_id	integer <b>NN</b>
name	varchar(50) <b>NN</b>
status	varchar(20)
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

vehicle	
id	integer
reg_no	varchar(50) <b>NN</b>
rfid_no	varchar(50)
vehicle_type	varchar(30)
owner_company_id	integer
driver_id	integer
facility_id	integer
tare_weight	integer
weight_after_loading	integer
status	varchar(20)
progress	integer
turnaround_time	integer
timestamp	timestamp
is_deleted	boolean
deleted_at	timestamp
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

appointment	
id	integer
facility_id	integer <b>NN</b>
vehicle_id	integer <b>NN</b>
shipment_id	integer
scheduled_start	timestamp <b>NN</b>
scheduled_end	timestamp <b>NN</b>
priority	varchar(10)
status	varchar(20)
notes	text
metadata	jsonb
is_deleted	boolean
deleted_at	timestamp
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

inspection_result	
id	integer
inspection_id	integer <b>NN</b>
item_id	integer <b>NN</b>
value_text	text
value_bool	boolean
value_decimal	decimal(12,3)
value_select	varchar(60)
remarks	text
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

document	
id	integer
doc_type_id	integer <b>NN</b>
number	varchar(80) <b>NN</b>
issue_date	date
expiry_date	date
status	varchar(20)
file_url	varchar(500)
checksum	varchar(128)
metadata	jsonb
created_at	timestamp
updated_at	timestamp
created_by_id	integer
updated_by_id	integer

turnaround_time_sparkline	
id	integer
facility_id	integer
vehicle_id	integer
stage	varchar(30)
duration	integer
timestamp	timestamp <b>NN</b>
created_at	timestamp



