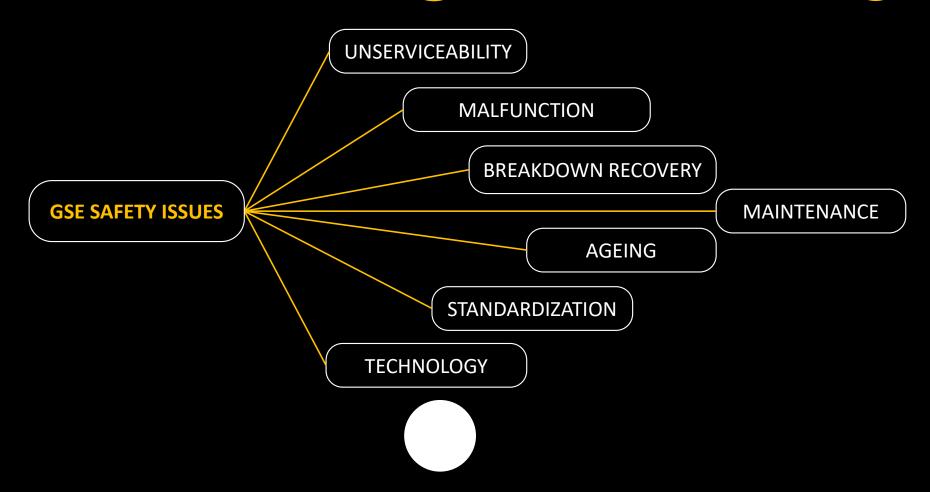




## IDENTIFYING KEY AREAS

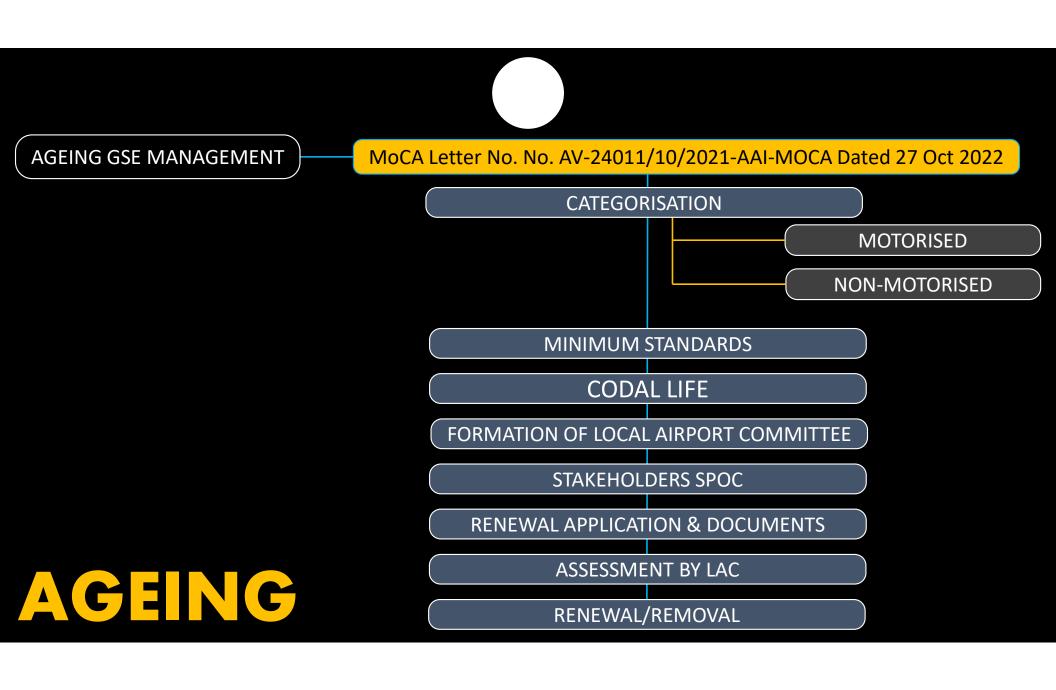




# KEY STRATEGIES

## SAFETY AS ENABLER

DATA CLEAN UP & COLLATION **TAXONOMY MAPPING CLEANSING, VALIDATION & INTEGRATION DATA PROCESSING** DATA ANALYSIS DASHBOARDS DATA SHARING WITH STAKEHOLDERS FREQUENT UNSERVICEABILITIES **COMMON FAILURES OEM QUALITY CHECK POINTERS** 



## PENALTY POINT SYSTEM

PROCESS DEVELOPMENT

**NON-MONETARY PENALTY POINT SYSTEM** 



**IDEATION WITH DATA** 

STAKEHOLDER TRUST BUILDING

PILOT PROJECT FOR TRIAL

MANAGEMENT CONFIDENCE

**FULL SCALE IMPLEMENTATION** 

**BONUS POINT** 



### **Key Aspects of Non-Monetary Penalty Points System at KIAB**

Distinct categories for infraction: **Vehicles & Equipment** 

Distinct nature of violations:

**No-Go: Seizure of Permit** 

Major: 04 Penalty Points (PP)

**Minor: 02 Penalty Points (PP)** 

No Go: Causing Aircraft Damage

#### Major:

- Vehicle Breakdown in Active Area
- Fire /smoke in vehicle

#### Minor:

- Unserviceable Seat-belt
- Safety buffer damaged/

**Cumulative Penalty Points:** 

**10** PP: **07 Days** Suspension

12 PP: 15 Days Suspension

14 PP: 30 Days Suspension

Bonus Point: **02 points** issued for

every **04 month** if no offence committed during the period

Fair and Equal to all



INJUSTICES
THE LIGHT AND THE L



Vehicle Recovery Kit & QR

SOP FOR VEHICLE RECOVERY

SOP FORMULATION & ENHANCEMENT

**MAINTENANCE SOPS** 

HYD OIL/FUEL LEAKAGE INSPECTION

SOPS ON AGEING GSE MANAGEMENT

### SAFETY AS ENABLER



#### **EQUIPMENT**

Step Ladder Conveyor Belt Baggage Trolley Pallet Dollies Water Cart Toilet Cart Towbar Trestle Air Starter Unit Air Conditioning Unit **GPU** CO2 Trolley Nitrogen Trolley Tail Stanchion

#### **VEHICLE**

AMB, Telescopic Step Airport Passenger Bus **Battery Operated Tractor** Self-Propelled Conveyor Belt Highlift **Ambulift** LDL, MDL Nose Gear Towbar Tractor Nose Gear Towbar Less Tractor Tractor Potable Water Vehicle Lavotary Service Vehicle Petrol and Diesel Refueler Cargo Pallet Transporter **Crew Transport** 

**AHM Based Checklists** 





Vehicle Recovery Kit & QRT

### SAFETY AS ENABLER

SPOC TRAINING ON PENALTY POINT SYSTEM

**CHANGE MANAGEMENT** 

**COLLABORATIVE WORK GROUP** 

STANDARDIZATION OF GSE

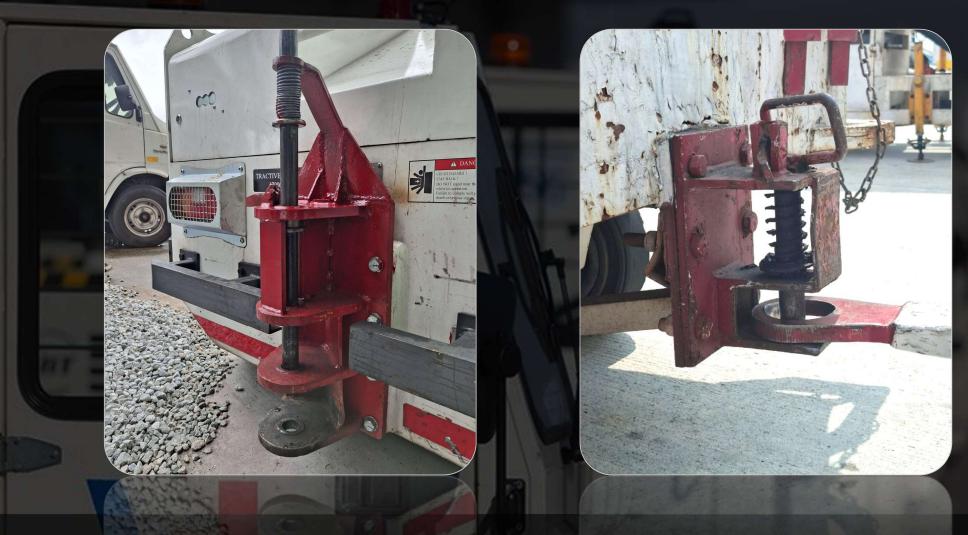
TOW HITCH VARIANTS

**BATTERY VARIANTS** 

TROLLEY DOOR VARIANTS

**CONTROL PANELS** 





TOW HITCH LOCK VARIANTS









<u>OBSERVATIONS</u>

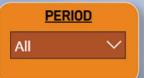
1230

<u>OPEN</u>

70 1160

All ✓

AGENCY V





#### **TOP 5 DEFECTS**

Nature of Defect	Reports
SAFETY_LAPSE	539
LIGHTING	153
MECHANICAL	126
OIL_FUEL_LEAK_SPILL	108
WHEEL_ASSEMBLY	108
Total	1034

#### **TOP 10 CATEGORIES**

Main Head	Number
ACCESSORIES	120
SAFETY_BUFFER	106
EQUIPMENT_PASS	98
OBS_LIGHT	90
HYDRAULIC_OIL	87
TYRE	60
BRAKE_LIGHT	44
SEAT_BELT	43
BATTERY	41
EXHAUST	41
Total	730

#### SUB-CATEGORIES

CLOSED

Sub Head	→ N
UNSERVICEABLE LIGHT	
PIPE LINE DAMAGE	
SIDE VIEW MIRROR N/A	
MISSING BUFFER	
MISSING PASS	
UNSERVICEABLE	
EXCESSIVE/THICK BLACK SMOKE	
DAMAGED BUFFER	
FADED PASS	
CHOCK CHAIN BROKEN	
WORN OUT	
WINDSHIELD N/A	
DAMAGED	
LOW CHARGE	
NOT LOCKING	
BALD TYRE/NO TREAD	
DISLODGED	
MALFUNCTION	
NOT RETRACTING	
NOT INSTALLED	
EXPIRED PASS	
Total	

#### VEH/EQPT DETAILS

All

Veh/Eqpt No.	Number
BET-45	8
BTE-29	8
KA43A0128	8
TWT-11	8
BTE-35	7
CPT-4	7
AMB-2	6
BTE-25	6
KA05MU8773	6
KA431703	6
LDL-1	6
MFL-9	6
KA03MX1277	5
KA433580	5
KA43A0126	5
KA43A2768	5
KA43M9805	5
KA50B4236	5
KA593325	5
LDL-4	5
Total	1230





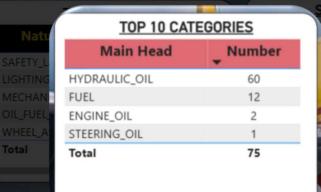
Total

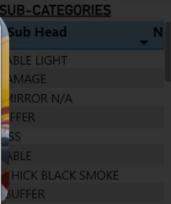
2024

**OIL/FUEL LEAKS/SPILLS** 

2025







	CLIAINI	DDOWNEND
$\cup$ CK		BROKEN

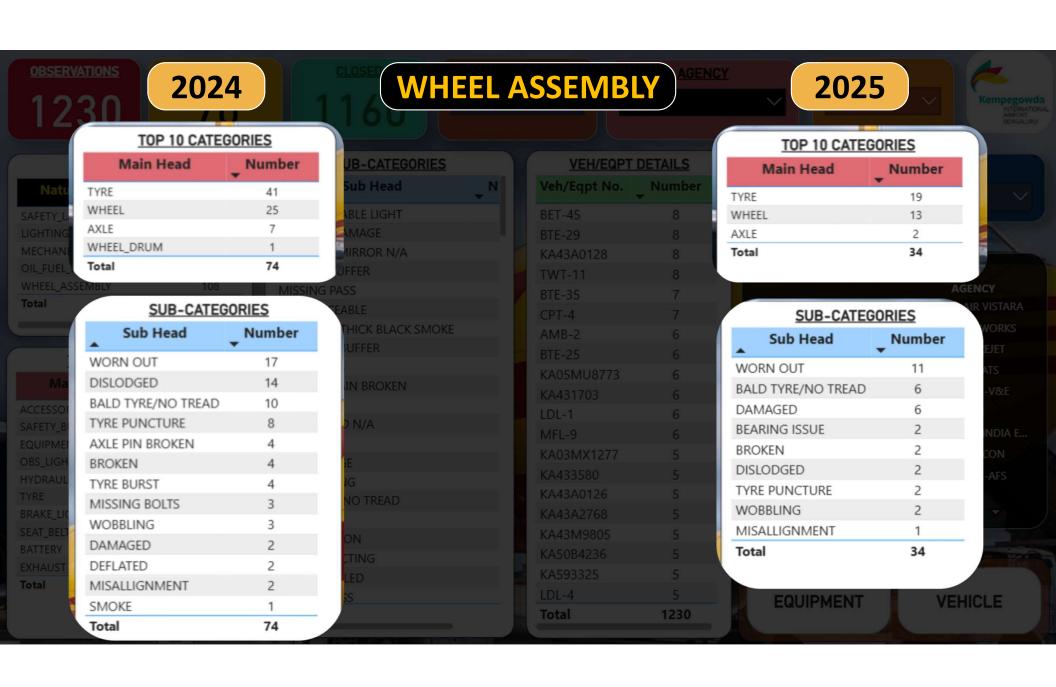
SUB-CATEGORIES	
Sub Head	Number
PIPE LINE DAMAGE	62
FUEL TANK	4
JACK SYSTEM	3
COUPLER DAMAGE	2
CRIMPING ISSUE	2
ENGINE SYSTEM	2
Total	75

BUFFER	
ASS	
CHAIN BROKEN	
~UT	
D N/A	
iE	
IG	
NO TREAD	
ON	
CTING	
LED	
SS	

VEH/EQPT DETAILS		
Veh/Eqpt No.	Number	
BET-45		
BTE-29		
KA43A0128	8	
TWT-11		
BTE-35	7	
CPT-4	7	
AMB-2	6	
BTE-25		
KA05MU8773	6	
KA431703	6	
LDL-1	6	
MFL-9		
KA03MX1277	5	
KA433580		
KA43A0126	5	
KA43A2768	5	
KA43M9805	5	
KA50B4236		
KA593325	5	
LDL-4		
Total	1230	

TOP 10 CATEGORIES	
Main Head	Number
HYDRAULIC_OIL	22
FUEL	7
STEERING_OIL	3
GEAR_OIL	1
Total	33

SUB-CATEGORIES	
Sub Head	Number
PIPE LINE DAMAGE	28
COUPLER DAMAGE	1
FUEL INJECTOR	1
LOW LEVEL	1
STABILISER SYSTEM	1
STEERING SYSTEM	1
Total	33



**OBSERVATIONS** 

2024

### **SAFETY ASPECTS**

AGENCY

2025

### Kempegowda

### TOP 10 CATEGORIES

Main Head	Number
EQUIPMENT_PASS	95
SAFETY_BUFFER	83
ACCESSORIES	77
SEAT_BELT	30
ALARM	14
LOCKING_MECHANISM	14
INFORMATION_DISPLAY	11
JACK	11
FIRE_EXTINGUISHER	10
SPEED_GOVERNER	9
Total	354

Main Head	Number
ACCESSORIES	120
SAFETY_BUFFER	106
EQUIPMENT_PASS	
OBS_LIGHT	
HYDRAULIC_OIL	87
TYRE	
BRAKE_LIGHT	44
SEAT_BELT	43
BATTERY	41
EXHAUST	41
Total	730

#### **SUB-CATEGORIES**

Sub Head	Number
MISSING PASS	52
MISSING BUFFER	48
SIDE VIEW MIRROR N/A	44
FADED PASS	31
DAMAGED BUFFER	23
NOT LOCKING	17
EXPIRED PASS	12
WINDSHIELD N/A	12
LOOSE BUFFER	11
PLATFORM LOWERING	10
ALARM	
UNSERVICEABLE	8
NON-STANDARD	7
SIDE VIEW MIRROR DAMAGED	7
DAMAGED	6
LOCK UNSERVICEABLE	6
NOT INSTALLED	6
NOT RETRACTING	6
LOW PRESSURE	5
REAR VIEW MIRROR	5
Total	384

#### **SUB-CATEGORIES**

Sub Head	Numbe
CHOCK CHAIN BROKEN	25
SIDE VIEW MIRROR N/A	19
UNSERVICEABLE	18
MISSING BUFFER	13
WINDSHIELD N/A	13
NOT RETRACTING	10
DAMAGED BUFFER	9
NOT INSTALLED	9
WIPER UNSERVICEABLE	8
LOCK UNSERVICEABLE	5
MISSING PASS	2
NON-STANDARD	2
PLATFORM LOWERING ALARM	2
REFLECTOR	2
COMPANY LOGO/STICKERS	1
EXPIRED CONTENT	1
EXPIRED PASS	1
EXPIRED PERMIT	1
LOCK DAMAGED	1
LOW PRESSURE	1
Total	155

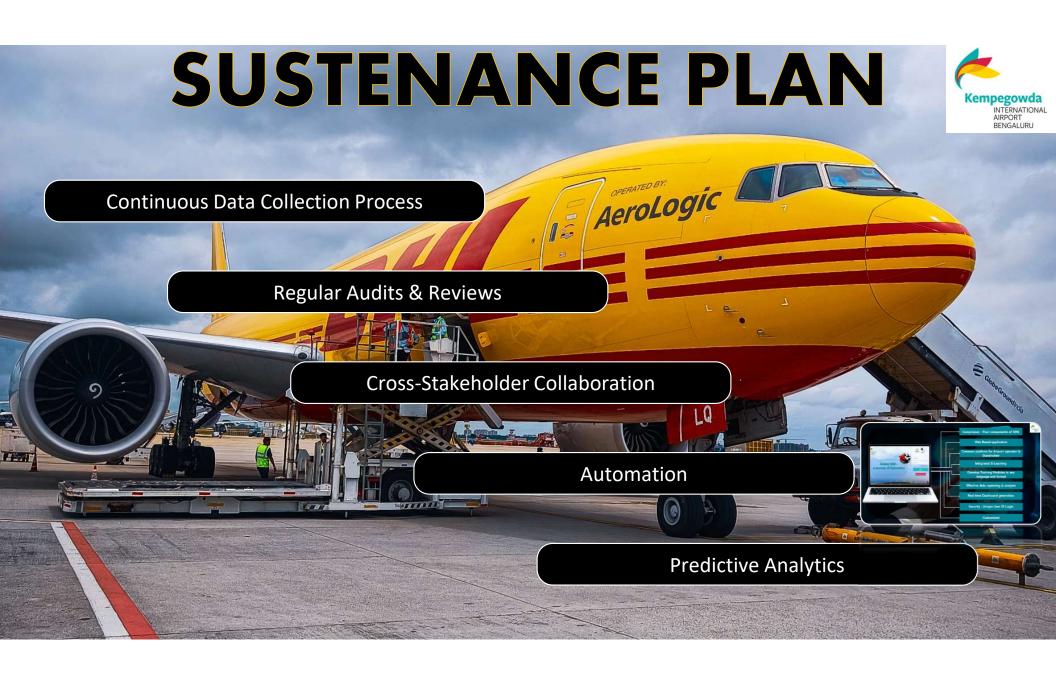
#### **TOP 10 CATEGORIES**

Main Head	Number
ACCESSORIES	43
C_TYPE_CHOCK	25
SAFETY_BUFFER	23
SPEED_GOVERNER	23
SEAT_BELT	13
LOCKING_MECHANISM	7
ALARM	3
EQUIPMENT_PASS	3
FIRE_EXTINGUISHER	3
JACK	3
Total	146
	BIAL-V&E

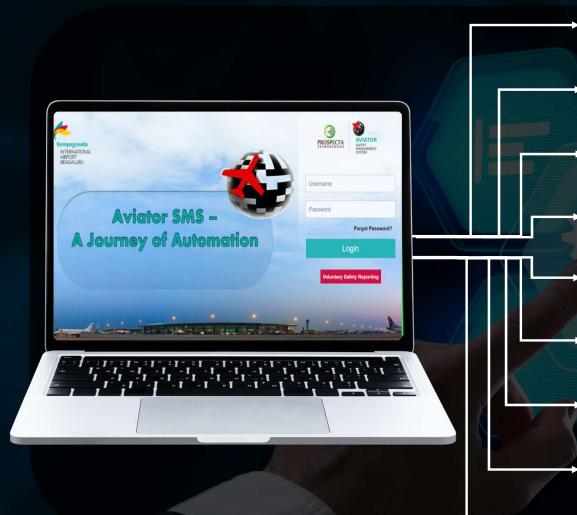


JIPMENT

**VEHICLE** 







Compliance – Four components of SMS

Web Based application

Common platform for Airport operator & Stakeholder

Integrated E-Learning

Develop Training Modules in any language and format

Effective data capturing & analysis

Real time Dashboard generation

Security : Unique User ID Login

Customized

