



WORKSHOP MANAGEMENT SYSTEM



SCAN FOR
DOWNLOAD



Service Type: **Medium Accident**
Change

Make: NISSAN

Parts Requisition | Activity Table | Photos

Vehicle Information

Plate No. (EN)	ABC 378
Plate No. (AR)	378 ا ب ص
VIN	337131477
Purchase Date	2020-01-01
Purchase Price	825603
Is Insured	Insured
Base Branch	Dammam Main Branch

02 ABOUT WMS

Productivity

FleetFix is a purpose-built software solution that transforms how enterprise car rental companies manage their workshops and maintenance centers, delivering proven results of 40% faster repairs and 77% higher productivity across multiple branches

Profitability

Through seamless integration of vehicle intake, repair tracking, parts management, and workforce optimization, FleetFix helps car rental enterprises maximize their ROI while maintaining optimal fleet quality throughout the service lifecycle.



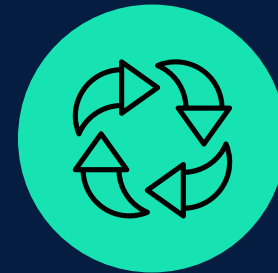
03

PROBLEM



COMPLEX OPERATIONS

High turnover, large fleets, multiple workshops and stores, complex maintenance operations.



FLEET DIVERSITY

Diversity in models and makers with different spare parts and repair procedures.



COST CENTER

Need to optimize workshop efficiency, reduce repair times, and control costs to maximize ROI

04

GOAL

to achieve **Efficiency Equation** for car rental workshops.



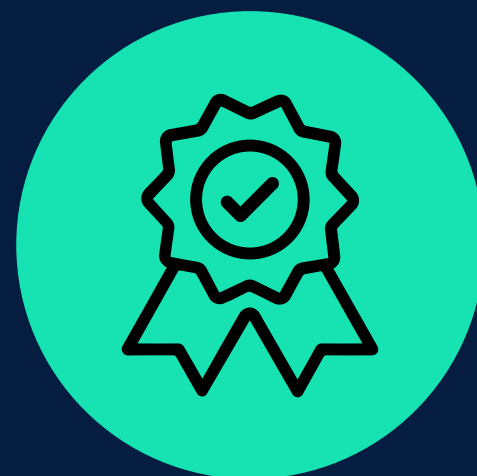
INCREASE PRODUCTIVITY

By reducing repair time and optimizing resource allocation.



REDUCE REPAIR COSTS

By mapping and utilizing workshop resources.



IMPROVE REPAIR QUALITY

Importance of maintaining fleet quality throughout service life and at resale.



05 BUSINESS BENEFITS

40%

Reduction in repair time

70%

Improvement in workshop productivity.

50%

Improvement in quality control metrics.

30%

Saving in inventory costs.

90%

Reduction in inventory dead stock.



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TARGET AUDIENCE AND SCOPE



ENTERPRISE WORKSHOP

FleetFix is ideal for large car rental companies with extensive fleets and multiple workshop locations.



HIGH TURNOVER

Optimized for high-turnover environments and diverse vehicle needs.

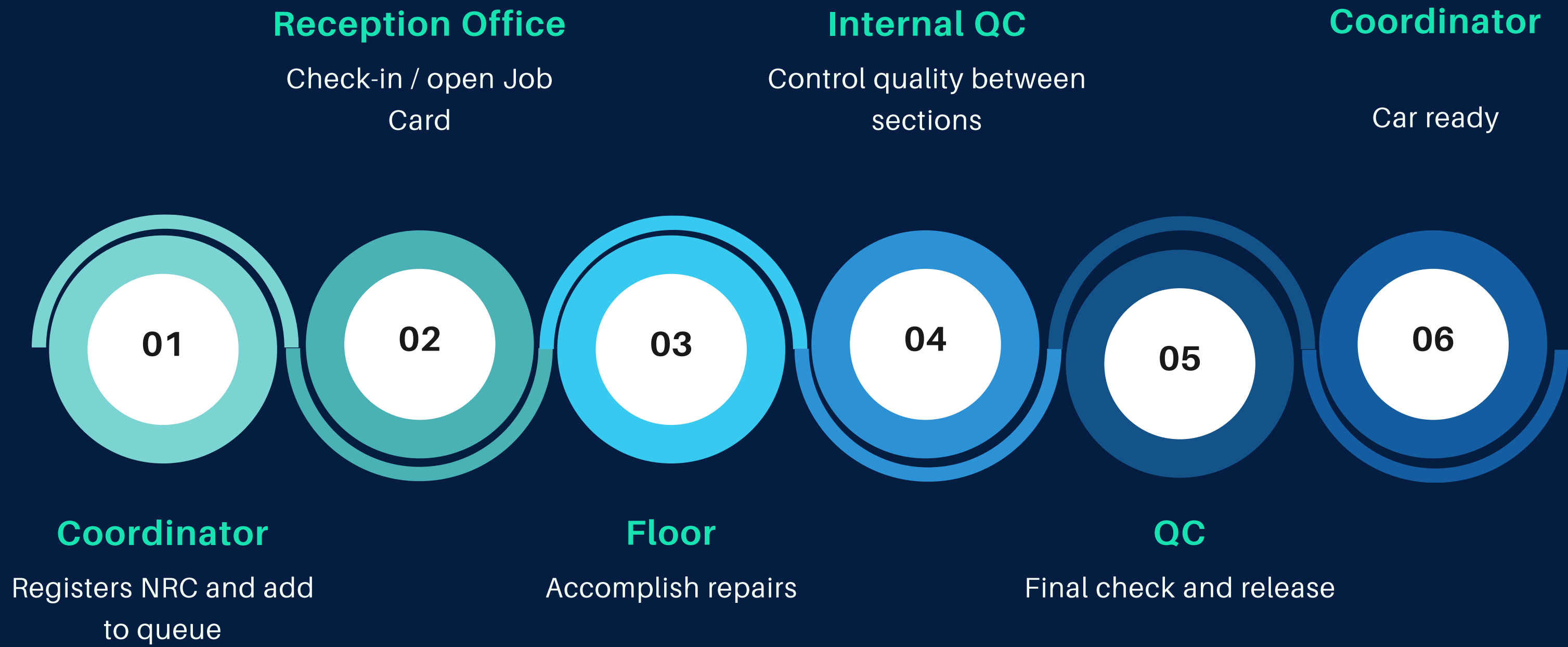
CORE MODULES



08

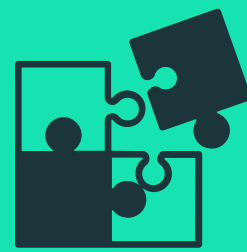
FleetFix CYCLE

The typical cycle and how WMS handles enterprise workshop for car rental



FLEET MANAGEMENT

Provides a comprehensive view of the company's fleet, allowing coordinators to manage fleet information, movements, and availability in workshop scope.



- ▶ **REGISTERS** detailed vehicle information across all branches.
- ▶ **MANAGES** the movement of vehicles between locations, including internal transfers with Non-Revenue Control (NRC) documents
- ▶ **TRACKS** vehicles ready for dispatch, ensuring quick response to rental demand.
- ▶ **PROVIDES** detailed reports on fleet status, including vehicle availability, maintenance history, and upcoming service requirements.
- ▶ **ENSURE** that vehicles are available as needed, supporting operational continuity for rental operations.

RECEPTION OFFICE

01

Manages the vehicle intake queue, selecting cars for repair based on priority and rental needs.

02

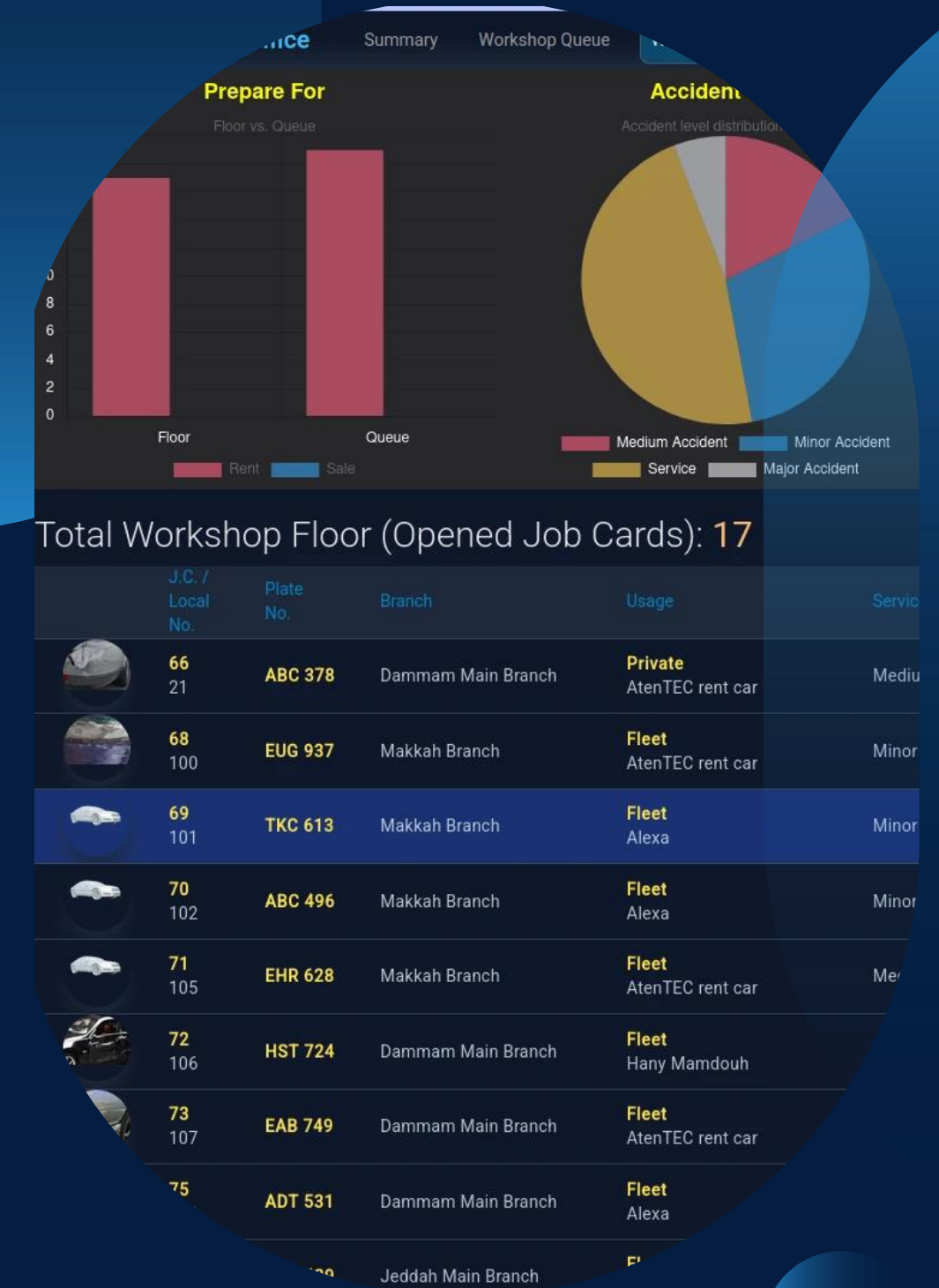
Provides tools for detailed vehicle inspection and documentation of initial conditions.

03

Opens Job Cards (Repair Orders) with specific repair instructions based on the initial inspection.

04

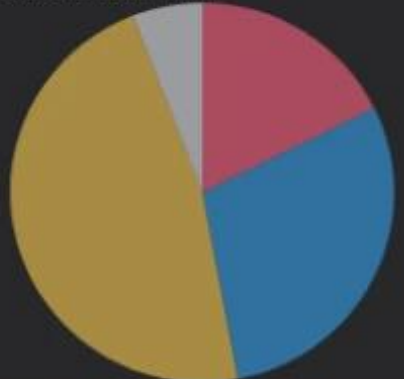
Balances demands from the rental department with workshop availability to minimize vehicle downtime and workshop pending.





Accident Level

Accident level distribution in floor



Used In

Used In distribution in floor



Jobs - (17)

No.	Local No.	Make	Model	Model Year	Age (Days)
531	109	Toyota	Crown AWD	2025	28
542	112	Toyota	Crown AWD	2025	28
628	120	Honda	Pilot FWD	2025	28
663	111	Toyota	Crown AWD	2025	28
693	113	Toyota	Camry LE/SE	2024	394
683	122	Honda	HR-V FWD	2025	28
729	110	Toyota	Crown AWD	2025	28
778	115	Honda	CR-V AWD	2025	28
829	121	Honda	CR-V AWD	2025	
878	21	Nissan	Altima SR/Platinum	2020	
946	102	Toyota	Camry AWD LE/SE	2024	
953	101	Toyota	Camry AWD XLE/XSE		
979	107	Toyota	Corolla Cross		



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WORKSHOP FLOOR

Enhances workshop floor efficiency, minimizes idle time, and ensures that repairs are completed on schedule, with all necessary resources allocated effectively.



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WORKSHOP FLOOR



CENTRALIZATION

Centralizes all operations on the workshop floor, providing real-time management of repairs, workforce allocation, and task scheduling to maximize efficiency



TASK DISTRIBUTION

Assigns tasks to available workforce members based on expertise and availability, ensuring a balanced workload.



TRACKING

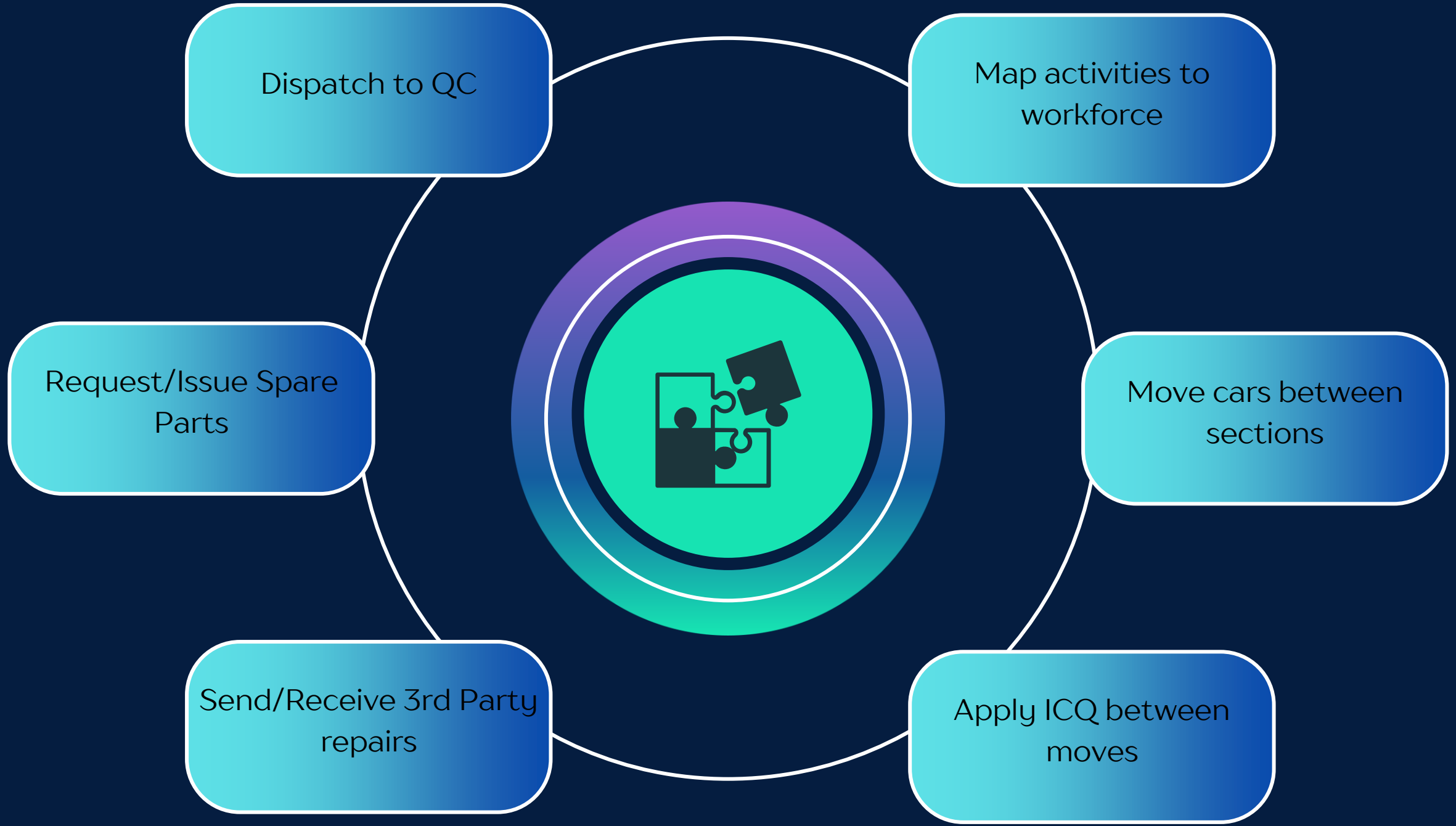
Tracks repair progress and 3rd party repairs in real time, allowing team leaders to monitor each step and adjust resources as needed.



MONITORING

Monitors the performance and output of the workshop, helping identify bottlenecks and improve overall productivity.

WORKSHOP FLOOR CYCLE



759 <i>age</i>	2023-01-01 <i>purchase date</i>	2023-01-01
36500 <i>last mileage</i>		2023-01-01
In Rent		2 <i>job ca</i>

Cost Analysis Total

Service Type	Service
Idle Days	4

Activities Part Requisitions

- Tasks**
- Mechanical (Less than 1 m)**
 - Engine knocking
 - Mechanical (6 m)**
 - Send engine to mach.
 - Dissassemble engine
 - Engine Overhauling (Less than 1 m)**
 - Assemble components
 - Electrical (1 m)**
 - Fix starting component
 - Mechanical (1 m)**
 - Fit engine to vehicl
 - Mechanical (1 m)**
 - Check while r
 - Detailing (1 m)**
 - Exterior



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VEHICLE HISTORY

Provides a comprehensive log of each vehicle's repair and maintenance history, aiding in diagnostic accuracy and lifecycle management.

Supports decision-making around repairs, total loss, and reselling, contributing to cost efficiency and fleet longevity.

15 VEHICLE HISTORY

- 01 Centralizes all repair history, expenses, and maintenance records for every vehicle in the fleet.
- 02 Supports diagnostic decisions with detailed repair histories, allowing quick access to previous issues and their solutions.
- 03 Generates reports to evaluate service life, repair costs, and overall maintenance history, helping to inform replacement or reselling decisions.
- 04 Enables detailed analysis of long-term costs associated with each vehicle, supporting cost-benefit decisions.





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WORKSHOP HISTORY



Maintains a record of all past workshop operations, providing insights into workflow efficiency, resource utilization, and cost management.

Facilitates strategic planning and continuous improvement in workshop management, helping to reduce costs and enhance quality control.

Model	Model Year	Age (Days)	Idle	Parts Cost	Labor Cost	Failed in QC
own AWD	2025	28	1d 7h 53m	\$0.00	\$0.00	<input type="checkbox"/>
own AWD	2025	28	1d 7h 52m	\$600.00	\$0.00	<input type="checkbox"/>
ot FWD	2025	28	1d 7h 46m	\$380.00	\$0.00	<input type="checkbox"/>
own AWD	2025	28	1d 7h 52m	\$0.00	\$0.00	<input type="checkbox"/>
mry LE/SE	2024	394	1d 7h 51m	\$787.00	\$28.57	<input type="checkbox"/>
R-V FWD	2025	28	1d 7h 45m	\$0.00	\$0.00	<input type="checkbox"/>
own AWD	2025	28	1d 7h 53m	\$0.00	\$0.00	<input type="checkbox"/>
AWD	2025	28	1d 7h 50m	\$0.00	\$0.00	<input type="checkbox"/>
AWD	2025	28	1d 7h 46m	\$0.00	\$0.00	<input type="checkbox"/>
ima SR/ atinum	2020	1855	2d 2h 21m	\$0.00	\$0.00	<input type="checkbox"/>
mry AWD /SE	2024	394	1d 7h 57m	\$0.00	\$0.00	<input type="checkbox"/>
mry AWD E/XSE	2024	394	1d 7h 58m	\$0.00	\$0.00	<input type="checkbox"/>
rolla Cross	2024	394	1d 7h 56m	\$0.00	\$0.00	<input type="checkbox"/>

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WORKSHOP HISTORY

01

Logs all completed repair tasks, including workforce utilization and parts consumed, enabling a historical review of operations.

02

Generates productivity and financial reports that offer insights into workshop profitability and areas for improvement.

03

Provides data to assist in balancing resources for future workloads, supporting strategic workforce planning.

04

Helps maintain quality standards by providing a record of past repairs and outcomes.





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INVENTORY MANAGEMENT



Ensures that all spare parts and inventory are accurately tracked, accessible, and managed to support timely repairs and operational efficiency.

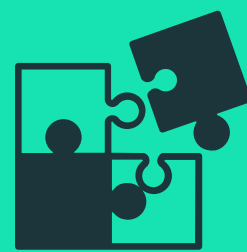
Reduces repair times and operational costs through efficient inventory tracking and management, ensuring workshops have the necessary parts without excessive overstocking.

	Issued At	Vendor
ads	2025-01-27 11:54	Alrasheed
btors	2025-01-27 11:55	Alrasheed
	2025-01-27 11:55	Alrasheed
	2025-01-27 11:55	Alrasheed
	2025-01-27 11:56	Alrasheed



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INVENTORY MANAGEMENT



▶ MANAGES

stock levels across multiple locations, ensuring that each workshop has the parts needed for repairs.

▶ ALLOWS

for real-time tracking of spare parts, including sourcing, stock movement, and job-specific requisitions.

▶ SETS

minimum stock alerts to prevent shortages, reducing repair delays and ensuring that parts are always available.

▶ UTILIZES

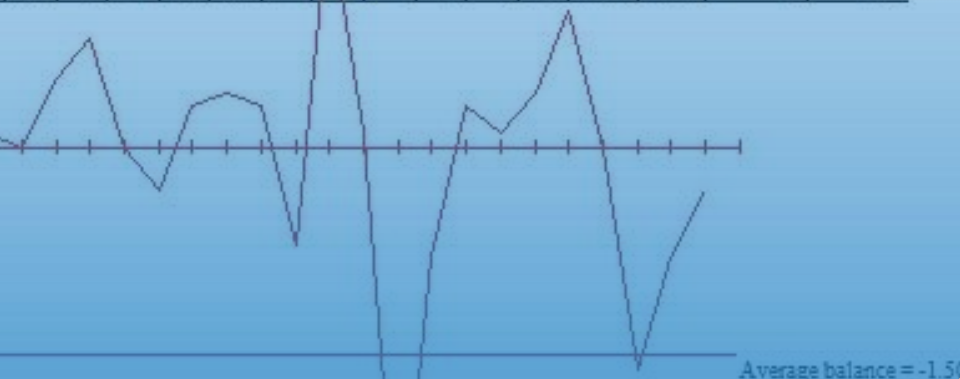
barcode security and restricted access to maintain accurate stock levels and prevent unauthorized access.

▶ SUPPORTS

dead stock management by flagging unused parts for sale, reducing storage costs.

Pending closed with 173 Average pending 148 Net balance -45

Case	Staff		L.C.O.		L. to Fl.		L. to L.		Private		Totals		Balance	Pending
	Out	In	Out	In	Out	In	Out	In	Out	In	Out	In		
60	1	2	5	4	1	0	0	0	0	0	106	97	-9	137
64	0	0	5	6	0	0	0	0	0	0	112	108	-4	141
65	1	2	5	6	0	0	0	0	0	0	105	99	-6	147
65	1	1	5	6	0	1	0	0	0	0	98	109	11	136
46	2	3	6	5	1	0	0	0	0	0	93	95	2	134
8	0	0	0	0	0	0	0	0	0	0	10	10	0	134
84	2	1	9	7	0	0	0	0	0	0	180	150	-30	164
75	2	2	5	5	0	0	0	0	1	1	130	137	7	157
36	2	2	4	3	0	0	0	0	0	0	74	75	1	156
64	1	1	10	9	0	0	0	0	0	0	115	115	0	156
57	3	3	5	6	1	2	0	0	0	0	101	106	5	151
36	1	1	4	6	0	0	0	0	0	0	58	66	8	143
7	0	0	1	1	0	0	0	0	0	0	13	13	0	143
52	0	1	4	5	0	0	0	0	0	0	151	148	-3	146
51	0	0	7	3	0	0	0	0	0	0	76	79	3	143
72	3	3	10	9	0	0	0	0	0	0	150	154	4	139
62	1	1	7	7	0	0	0	0	0	0	128	131	3	136
76	3	3	10	13	1	1	0	0	0	0	147	140	-7	143
53	1	1	3	4	0	0	0	0	0	0	72	89	17	126
16	0	0	1	1	0	0	0	0	0	0	21	22	1	125
50	5	3	9	7	0	0	0	0	0	0	124	93	-31	156
70	3	2	4	1	0	0	0	0	0	0	128	120	-8	164
62	1	2	5	3	0	0	0	0	0	0	100	103	3	161
63	1	0	5	7	0	0	0	0	0	0	105	106	1	160
59	4	4	3	3	0	0	0	0	0	0	92	96	4	156
49	1	3	3	4	0	0	0	0	0	0	72	82	10	146
14	0	0	2	2	0	0	0	0	0	0	20	20	0	146
60	1	1	6	4	1	0	0	0	0	0	142	126	-16	162
54	0	0	3	5	0	0	0	0	0	0	122	117	-5	170
54	0	0	10	12	1	0	0	0	0	0	105	100	-5	173
158	42	44	156	154	6	4	0	0	1	1	2948	2903	-45	4451



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REPORTS CENTER

Provides detailed reports for management and operational departments, supporting decision-making with real-time data.

Empowers management with actionable data, enabling informed decision-making and optimized resource allocation.

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REPORTS CENTER



BUSINESS ORIENTED

Generates customized reports for productivity, profitability, stock valuation, and more, tailored to higher management's needs.



FINANCIALS

Offers financial and operational insights to support cost control and strategic planning.



INTEGRAL

Assists the rental department by providing data on vehicle readiness and workshop status, informing rental operations.



PERFORMANCE

Enables monitoring of quality control standards and performance metrics for workforce and resources.

759 <i>age</i>	2023-01-01 <i>purchase date</i>
36500 <i>last mileage</i>	2023-01-01 <i>purchase date</i>
In Rent	2 <i>job ca</i>

Cost Analysis	Total
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	Work Done	Started At	Closed At
z	Top add engine oil	2025-01-16 07:57	2025-01-16 07:57
Diago	Engine removed and ready to send 2 machining	2025-01-17 10:21	2025-01-17 10:25
an	Engine sent to machine shop	2025-01-17 10:26	2025-01-17 10:27
an	assembly done	2025-01-17 10:34	2025-01-17 10:35
z	Engine futed in vehicle	2025-01-17 10:39	2025-01-17 10:41
iah	Wiring fixed	2025-01-17 10:41	2025-01-17 10:43
an	engine ok after overhauling	2025-01-17 10:54	2025-01-17 10:55
Ron	Detailing finished	2025-01-17 17:37	2025-01-17 17:37
an	change oil and filter	2025-01-26 12:02	2025-01-26 12:30
	Remove front bumper scratche	2025-01-26 12:03	2025-01-26 12:31



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HUMAN RESOURCES

A dedicated HR module designed specifically for managing workforce needs within workshop operations, ensuring that staff are optimally allocated, tracked, and supported to maintain smooth workflow and high productivity

By focusing solely on workshop HR needs, this module streamlines workforce management within the workshop, enhances productivity, and fosters a motivated, efficient team tailored to workshop demands.

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HUMAN RESOURCES



▶ ATTENDANCE

Monitors attendance and punctuality tailored to workshop hours and shift needs, ensuring all critical roles are covered and operations remain uninterrupted.

▶ OVERTIME

Tracks and monitors overtime hours and provides reporting for rewards or additional compensation related to workshop contributions.

▶ STRUCTURE

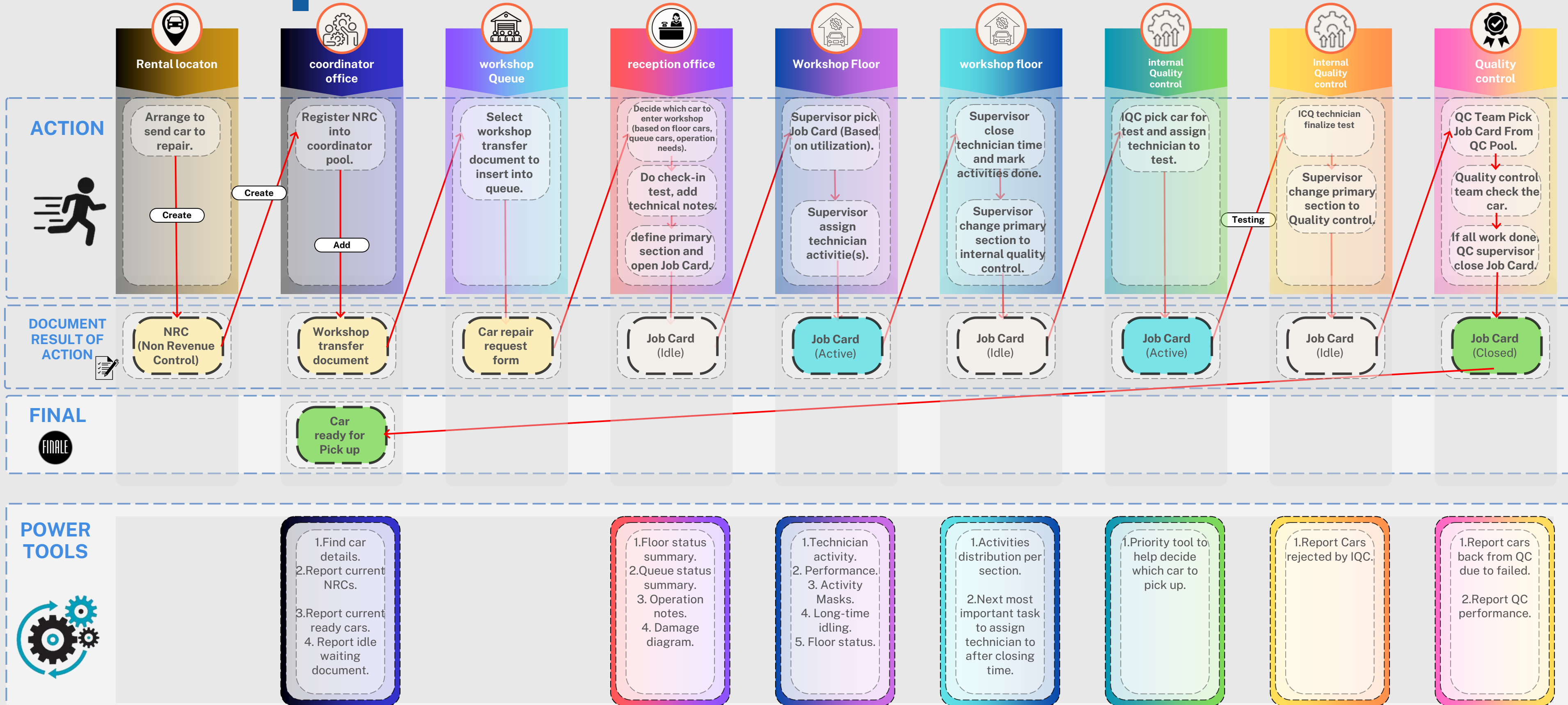
Supports a specialized hierarchy for workshop staff, distinct from the general company structure, allowing managers to tailor roles, reporting lines, and responsibilities to meet specific operational requirements.

▶ REWARDS

Generates performance reports and reward documentation specific to workshop staff, encouraging motivation and rewarding high performance.

WMS FULL CYCLE

FleetFix full cycle



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TECHNICAL ARCHITECTURE

Microservices architecture enables scalability and reliability.



COMMUNICATION

Features a custom message queuing system and TCP/IP RPC communication for low-latency performance, written specifically for WMS.



SECURITY

SHA-256 encryption for data transmission, and databases.

THANK YOU

READY TO TRANSFORM YOUR
WORKSHOP OPERATIONS WITH
FleetFix?

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