

ABOUT US

- Our Situation: We are a car rental company with a growing customer base. However, our current manual processes can't keep up with these new demands. This results in:
- Slow Operations: Employees must check car availability and confirm bookings manually, which slows down the process.
- Customer Wait Times: Longer wait times due to manual booking processes can lead to customer dissatisfaction.
- Lack of Data Access: There is no simple way to review past bookings or identify trends in reservations.
- Our Goal: To address these challenges, we need an integrated reservation and fleet management system. This will help us move from manual, decentralized processes to a streamlined, optimized system that supports our growth and improves customer service.



Why RFMS Is Needed

An RFMS will keep all booking and car information in one place, so employees can access it quickly. This will help to:

- Prevent Double-Booking: Reduce mistakes by making information easy to see.
- Speed Up Service: Help employees serve customers faster by quickly checking car availability and bookings.
- *Track Car Status:* Make it easier to see which cars are available, which need repairs, and which are already booked.

So everything runs smoothly.



What the New System Should Have

- Shared Reservation Calendar: A calendar that updates automatically so all reservations are visible to everyone.
- Automatic Messages: Sends messages to confirm bookings and remind customers of upcoming rentals.
- Car Condition Tracking: Tools to keep track of each car's condition and maintenance needs.



Needs analysis with the key points and areas for improvement

Category	Needs	Description
System	Centralized Reservation Platform	A unified platform to log and track all reservations, preventing double bookings and offering real-time
Functionality		availability updates.
	Automatic Calendar Updates	A shared calendar that automatically updates with each reservation, accessible to all employees.
	Customer Notifications	Automated messages to confirm bookings, send reminders, or provide updates to customers regarding their rentals.
	Fleet Condition & Maintenance	Tools to log and monitor the condition of each vehicle, including scheduled maintenance needs and
	Tracking	availability.
Hardware Requirements	Laptops & Tablets	Portable devices for employees to access the system from anywhere, enabling faster response to customer requests.
	Mobile Phones & Accessories	Mobile phones with chargers and touch pens for ease of use, enabling smooth, on-the-go
		communication with customers and system access.
	Electrical Outlets	Installation of power sockets in work areas to ensure consistent charging and availability of devices.
entage According According According According	Continuous Wi-Fi Connection	Reliable Wi-Fi installation to support continuous online access to the RFMS and avoid downtime during
Infrastructure		booking and fleet management.
	Mobile Data Plans	Mobile plans for remote access, especially for employees managing vehicles or customers on the go.
	Website Development	Creating a customer-facing website for easy online reservations, service information, and vehicle
		availability checks.
Training &	Employee Training	Professional training to ensure all employees are comfortable using the new RFMS and mobile devices
Support		efficiently.
	Ongoing Technical Support	Access to support in case of technical difficulties with the RFMS or any of the devices, minimizing
	ongoing recimied ediplore	downtime.
Additional	Digital Accessories	Equipment like chargers, cases, and touch pens to enhance device usability and protect equipment.
Resources		, , , , , , , , , , , , , , , , , , ,
	Software Licenses & Security	Necessary software licenses and security protocols to protect customer data, manage reservations
		securely, and ensure compliance.

The Benefits of Car Rental Reservation Systems

• Streamlining the Booking Process: Car rental reservation systems provide a one-stop solution for managing bookings for customers and car rental businesses alike (easy access to vehicle availability, pricing options, and secure online payments).

• Boosting Operational Efficiency: Car rental reservation systems equip businesses in the automotive rental and travel sector to manage their fleet more effectively, thus enhancing operational efficiency.

• Enhancing Customer Experiences: With features like personalized recommendations, easy modifications of bookings, and swift problem resolution, car rental reservation systems contribute to a hassle-free rental experience and, with that, a more enjoyable travel experience.

TYPES OF RFMS

Cloud-Based All-in-One Systems

Ideal for car rental companies of all sizes that need a comprehensive solution, offering centralized features like reservations, fleet tracking, billing, and CRM, accessible from any location, making them highly scalable and versatile. E.g Rental Car Manager, Rent Centric, Navotar.

Mobile-First or Mobile-Compatible Systems

Companies prioritizing mobile accessibility for both customers and staff, enabling users to manage bookings through an app and staff to update vehicle statuses remotely, though these systems generally have fewer features than desktop solutions. E.g RentSyst, HQ Rental Software.

Specialized Fleet Management Systems

Best suited for companies with large fleets focused on optimizing vehicle maintenance and operational costs, providing advanced tracking and maintenance tools but often lacking customer reservation functions. E.g Samsara, Fleet Complete, Geotab.

Integrated Systems with Third-Party Platforms

Ideal for companies looking to expand market reach, connecting with GPS services and travel aggregators to enhance customer access and tracking capabilities, though these setups can be more complex and require additional support. E.g Rent Centric (integrates with many third-party systems)

Choice of RFMS

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	System Type	Usability	Cost	Scalability	Accessibility	Maintenance & Updates	Capability	Security	Support & Reliability	Customization	Overall Rating
PAN.	Cloud-Based All- in-One System	9	8	10	10	9	8	7	9	7	8.6
	On-Premise System	7	5	6	4	7	9	9	8	10	7.5
	Specialized Fleet Management System	6	6	7	6	8	8	8	9	6	7.2
	Reservation- Only System	8	9	5	8	8	5	6	7	4	6.6
10	Mobile-First or Mobile- Compatible System	8	7	7	10	8	7	7	8	5	7.4
	Integrated System with Third-Party Platforms	7	6	8	8	7	9	8	8	6	7.7

We cheese: Rent Centric (A cloud-based all-in-one system RFM)

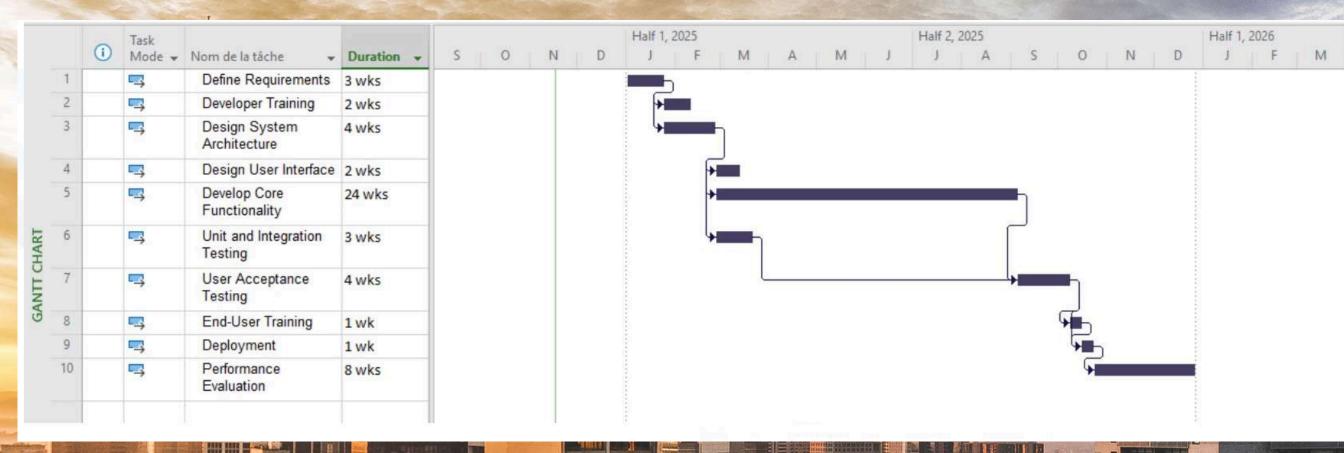


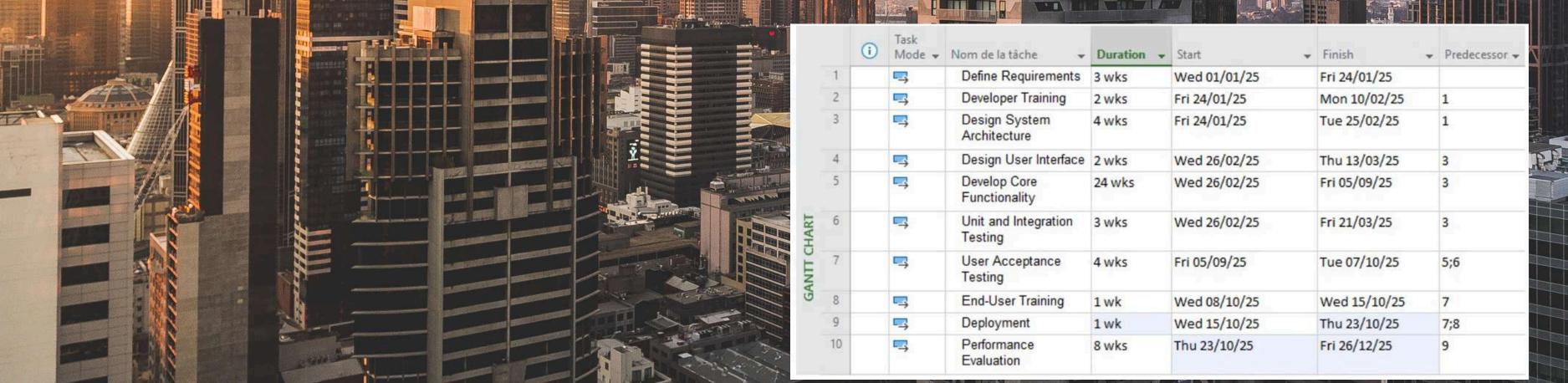
Explanation of Choice

- *Easy to Use:* The system is simple and user-friendly, so staff can easily manage bookings, track cars, and help customers without lots of training.
- Affordable: Subscription pricing means low upfront costs and predictable monthly fees, which is helpful for smaller companies.
- *Grows with the Business:* The system can add more features and users as the company grows, without big upgrade costs.
- Access from Anywhere: Staff can log in from any location with internet, making it easy to work remotely or manage multiple locations.
- Automatic Updates and Security: The provider handles updates and security, so the system stays current and reliable, with less downtime.







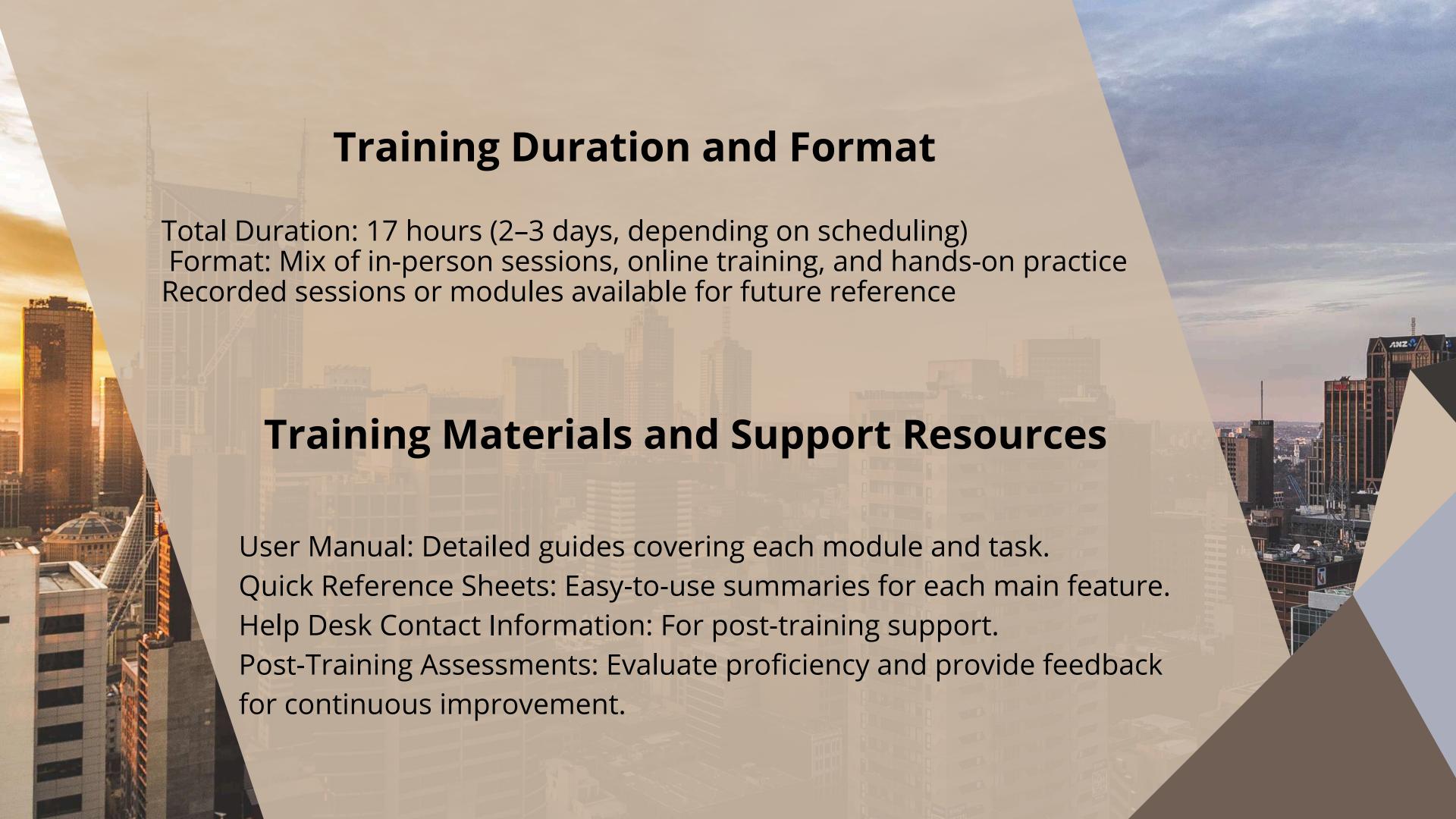


RACI

	Operations Manager	Operations Analyst	ERP Administrator	Data Integration Experts	Cybersecurity Analyst	Training Staff
	Lot 1 : Pro	paration				
Define roles & responsibilities	R	1	1	1	1	1
Gap Analysis of current system & infrastructure and Integration	1	1	R	R	А	С
Contact Rent Centric about pricing	R	А	С	1	1	T I
	Lot 2 : Impl	ementation				
Archiving & back up of data	1	1	R	A	А	С
Purchase of necessary hardware	R	I I	С	A	С	1
	t 2.2 : Structuring & I	ntegrating the sol	ution			
Migrate manual//historical data to Rent Centric	l l	С	R	А	С	1
Build the connections & integration to other data systems in	1	С	R	A	С	1
company.	SOURCE OF PROPERTY AND ADDRESS OF THE PROPERTY	<u> </u>	n.	^		'
			FDD.	D. L		100
	Operations Manager	Operations Analyst	ERP Administrator	Data Integration Experts	Cybersecurity Analyst	Training Staff
		Tests	Administrator	Experts	Allatyst	Training Starr
Evaluate avantitativa and assessment of assessment that the second assessment	2000	10303				
Evaluate quantitative performance of new solution (speed, amount of data generated)	R	Α	С	С	С	I
Evaluate user acceptance (knowledge and usability survey)	R	А	С	С	С	С
Our first practical usage: the main test deliverable!	А	R	С	С	1	l
	Lot 4:1	raining				-
Identify staff skills	R	С	С	С	1	А
Identify training needs	R	С	С	С	- I	А
Hire trainers or externalize the training	R	С	1	1	I	А
Train the employees on Rent Centric	1	А	С	С	I	R
	Lot 4 : Closure	e & Evaluation				85
Measure the impact of Rent Centric on operations	R	А	С	1	1	T
Calculate the overall cost of the new system and compare it to the estimated benefits	А	R	1	T	I	С
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Training program

Session topic	Objective	Topics Covered	Duration
Introduction to the	To provide a general overview of	Purpose and benefits of the RFMS for the company, Key features (reservation	1 hour
RFMS	the new system	management, fleet tracking, reporting), Overview of user roles and permissions	
System Navigation and	Familiarize users with the interface	Logging in and accessing different modules, Understanding the dashboard and	1.5 hours
User Interface Basics	and basic navigation	customization options, Basic troubleshooting for login or access issues	
Reservation	Teach employees to handle	Creating, modifying, and canceling reservations, Managing customer information	2 hours
Management Training	customer reservations using the	and special requests, Setting up automated notifications (e.g., booking	
	RFMS	confirmation, reminders), Handling overbookings or vehicle unavailability	
Fleet Management	Train fleet managers on tracking	Vehicle check-in/check-out procedures, Updating vehicle statuses (e.g., available,	2 hours
and Tracking	and managing vehicle availability	reserved, under maintenance), Tracking vehicle location and mileage, Setting up	
	and status	maintenance reminders and recording maintenance history	
Customer Relationship	Enable team members to manage	Recording and managing customer profiles, Accessing customer rental history,	1.5 hours
Management (CRM)	customer data and improve service	Using customer feedback and complaints for service improvement, Personalizing	
		customer experiences based on data insights	
Billing and Payment	Teach finance and front-desk staff	Processing payments and issuing refunds, Generating invoices and receipts,	1.5 hours
Processing	to handle payments efficiently	Managing billing cycles and customer accounts, Troubleshooting common payment	
		issues	
Reporting and	Train managers to use data and	Generating reports on reservations, vehicle usage, and revenue, Understanding key	1.5 hours
Analytics	reports to make informed decisions	metrics (e.g., fleet utilization, booking trends), Exporting data for analysis, Setting	
		up automated reports for regular monitoring	
System Security and	Ensure that all users understand	Data security practices (password policies, secure data handling), Privacy and	1 hour
Compliance	security protocols and data privacy	compliance requirements (e.g., GDPR, customer data protection), Recognizing and	
		reporting suspicious activity, Regular security practices (e.g., logout, secure data	
		handling)	
Troubleshooting and	Prepare users to handle basic	Common issues and quick solutions (e.g., reset password, update profile),	1.5 hours
Support	technical issues and access support	Accessing help resources and contacting support, Reporting technical issues	
		effectively, Using system help guides and FAQs	
Practical Session and	Give hands-on practice with live	Role-playing common tasks (e.g., booking a reservation, vehicle checkout), Small	3 hours
Q&A	scenarios and address remaining	group activities to simulate real-life use cases, Open Q&A for any unresolved	
	questions	questions or specific user concerns	





					Impact		
Banl	Risk maı	nagement	Negligible	Minor	Moderate	Severe	Very severe
		Almost certain	Resistance to Change		Software Bugs		Vendor Lock- In
		Very likely		Insufficient Training		Budget Overruns	Data Security
	Probability	Possible		Operational Slowdowns	Booking Errors	Operational Disruptions	
		Unlikely		Minor Hardware Failures	Change Management	Integration Issues with existing systems.	Data Quality
		Nearly impossible	Wasted Resources	Opportunity Costs	Privacy Concerns	Performance Issues	Technology Obsolescence

Description and strategy for each Risk

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And the last	Risk	Description	Strategy
	Vendor Lock-In	Dependence on a specific vendor limits flexibility and may increase costs if switching is needed.	Select providers with flexible contract terms and systems with open integration standards to facilitate future transitions if needed.
	Data Security	Significant risk of exposing sensitive customer and company data, especially if cloud-based.	Implement strong security protocols (encryption, multi-factor authentication, access controls) and conduct regular audits to detect vulnerabilities and mitigate data breach risks.
7	Budget Overruns	Hidden or unforeseen expenses during implementation may lead to exceeding the budget.	Set a clear budget with a contingency allowance for unexpected costs. Use a detailed expense tracking system and continuously monitor the project's financial status.
	Operational Disruptions	Major technical issues could disrupt business, impacting service and customer satisfaction.	Establish a solid technical support structure, conduct regular system testing, and create a disaster recovery plan to proactively address issues and minimize downtime.
	Integration Issues	Difficulty in integrating the RFMS with existing tools and systems could reduce operational efficiency.	Prioritize systems with strong integration capabilities, involve IT early in planning, and conduct a thorough compatibility assessment before full implementation.
	Change Management	Employee resistance to adopting the new system may slow down implementation.	Engage employees early in the process, offer comprehensive training, and hold change management sessions to communicate benefits and ease the transition.
1	Technology Obsolescence	Rapidly evolving technology may quickly render the system outdated.	Plan for regular updates, invest in scalable and adaptable technologies, and ensure modularity to make future upgrades easier.
	Software Bugs	Minor software bugs are common in new systems and can impact functionality.	Implement a rigorous testing phase before deployment, establish a robust troubleshooting support system, and set up a bug tracking system to address issues promptly.
	Privacy Concerns	Sensitive internal data may be unintentionally accessed by unauthorized staff.	Use role-based access control (RBAC) to limit data access, enforce strict authentication, and regularly audit access logs to monitor who accesses sensitive information.
	Wasted Resources	Investment in unnecessary equipment or tools may lead to wasted resources.	Conduct thorough needs assessments before purchasing new equipment or tools, aligning purchases with strategic goals to ensure necessity and avoid unnecessary investments.

KPIs for RFM

	KPI	Definition	Goal	Formula	Unit			KPI	Definition	Goal	Formula	Unit	
Fleet Utilization Rate Reservation Accuracy Rate Reservation Completion Rate Percentage of fleet actively rented or reserved at any given time. Percentage of reservations fulfilled without errors (e.g., no double-booking, correct vehicle assigned). Reservation Completion Rate Percentage of reservations fulfilled without errors (e.g., no double-booking, correct vehicle assigned). Reservation Completion Confirmed reservations that are completed successfully without efficience and efficience	Processing	from reservation	Reduced processing time to enable faster bookings.	Total time spent processing reservations / Total number of reservat			KPI for Customer Satisfaction	Customer Satisfaction Score (CSAT)	Direct feedback score from customers on their satisfaction with the reservation experience.	Achieve high satisfaction, indicating the RFMS is meeting customer expectations.	(Number of satisfied responses / Total responses) × 100	%	
		actively rented or reserved at any given	Maximize utilization without overbooking.	(Total hours fleet in / Total available flee hours) × 100				Net Promoter Score (NPS)	Measures customer willingness to recommend the service	High NPS reflects strong customer loyalty and a positive experience with	% Promoters - % Detractors		
		reservations fulfilled without errors (e.g., no double-booking, correct		(Total error-free reservations / Total reservations) × 100	I				Customer Effort Score (CES)	to others. Measures how much effort customers feel they put into making or managing reservations.	the RFMS. Low effort score reflects an easy, efficient reservation process.	Average response score on effort-related questions	
	High completion rate to reduce cancellations and ensure booking efficiency.	(Completed reservations / Confirmed reservations) × 100	0 %			Average Customer Response Time	Time taken to respond to customer inquiries	Minimize response time to improve customer satisfaction. Total response time / Total customer inquiries		2			
	Vehicle	are out of service due to maintenance or other	Reduce downtime to maximize availability.	Total downtime hou Number of vehicles	s	ite		On-Time Reservation Fulfillment Rate	Percentage of reservations that are fulfilled on time, as promised to the customer.	High on-time fulfillment reflects reliability and builds customer trust.	(On-time reservations / Total reservations) × 100	%	
	Booking Lead Time	Average time between a reservation request and the start date of the reservation.	Provide insights into customer booking patterns, allowing for proactive fleet allocation.	Average (Reservati start date - Reservation reques date)				Complaint Resolution Time	Average time taken to resolve customer complaints regarding the reservation process.	Fast resolution time to ensure issues do not negatively impact satisfaction.	Total resolution time / Total number of complaints	Minute	
			KF		Definition		Goal	F	Formula	Unic			
		THE RESERVE OF THE PERSON NAMED IN COLUMN 1		nversion in	nquiries t	ge of reservation hat convert into bookings.	High conversion reflects that cust find the process and reliable.	stomers T	Confirmed reservations Total inquiries) × 100	s/ %			
				tention Rate c	_	ge of returning s over a specific	High retention r satisfaction with RFMS experier service quality.	h the T nce and ×	Returning customers / Total unique customers < 100				
				ite v	with errors	ge of reservations s or discrepancies, both efficiency and	Low error rate t smooth operation reduce custome	ons and T	Total booking errors / Total reservations) × 10	00 %			

complaints.

satisfaction.

Investment Project Analysis

RFMS	-	1	2	3	4	5
Production		4 000	4 700	5 500	6 000	7 000
Chiffre d'affaires		300 000	352 500	412 500	450 000	525 000
Licence Logiciel et implementation	100 000					
Materiel et infrastructure	25 000					
Cout de formation	15 000					
Investissement	140 000					
Coûts variables / Location		- 80 000	- 94 000	- 110 000	- 120 000	- 140 000
Salaire Personnel		- 150 000	- 150 000	- 150 000	- 150 000	- 150 000
Loyer des locaux		- 30 000	- 30 000	- 30 000	- 30 000	- 30 000
Maintenance RFMS		- 10 000	- 10 000	- 10 000	- 10 000	- 10 000
Autres couts fixes		- 20 000	- 20 000	- 20 000	- 20 000	- 20 000
Coûts fixes		- 210 000	- 210 000	- 210 000	- 210 000	- 210 000
Excedent Brut d'Exploitation		10 000	48 500	92 500	120 000	175 000
Amortissements		28 000	28 000	28 000	28 000	28 000
Résultat d'exploitation avant impot		38 000	7650	00 120 500	148 000	203 000
Impot sur les Societes		12 667	2550	00 52 833	49 333	67 667
Resultat Net		25 333	5100	00 67 667	98 667	135 333
Δ BFR \Exploitation	- 10 000					
récupération du BFRE						10 000
Flux net tresorerie d'exploitation	130 000	48 000	125 000	213 000	268 000	388 000

-	1	2	3	4	5
- 130 000	48 000	125 000	213 000	268 000	388 000
	48 000	173 000	386 000	654 000	1 042 000
	44 444	107 167	169 086	196 988	264 066
	44 444	151 612	320 698	517 686	781 752
		- 130 000 48 000 48 000 44 444	- 130 000 48 000 125 000 48 000 173 000 44 444 107 167	- 130 000 48 000 125 000 213 000 48 000 173 000 386 000 44 444 107 167 169 086	- 130 000 48 000 125 000 213 000 268 000 48 000 173 000 386 000 654 000 44 444 107 167 169 086 196 988

Van 651 752 TRI 88,49% Tx Actualisation 8 Indice de profitabilité 6,013

Délai de récupération 236,160 7 mois 26 jours

