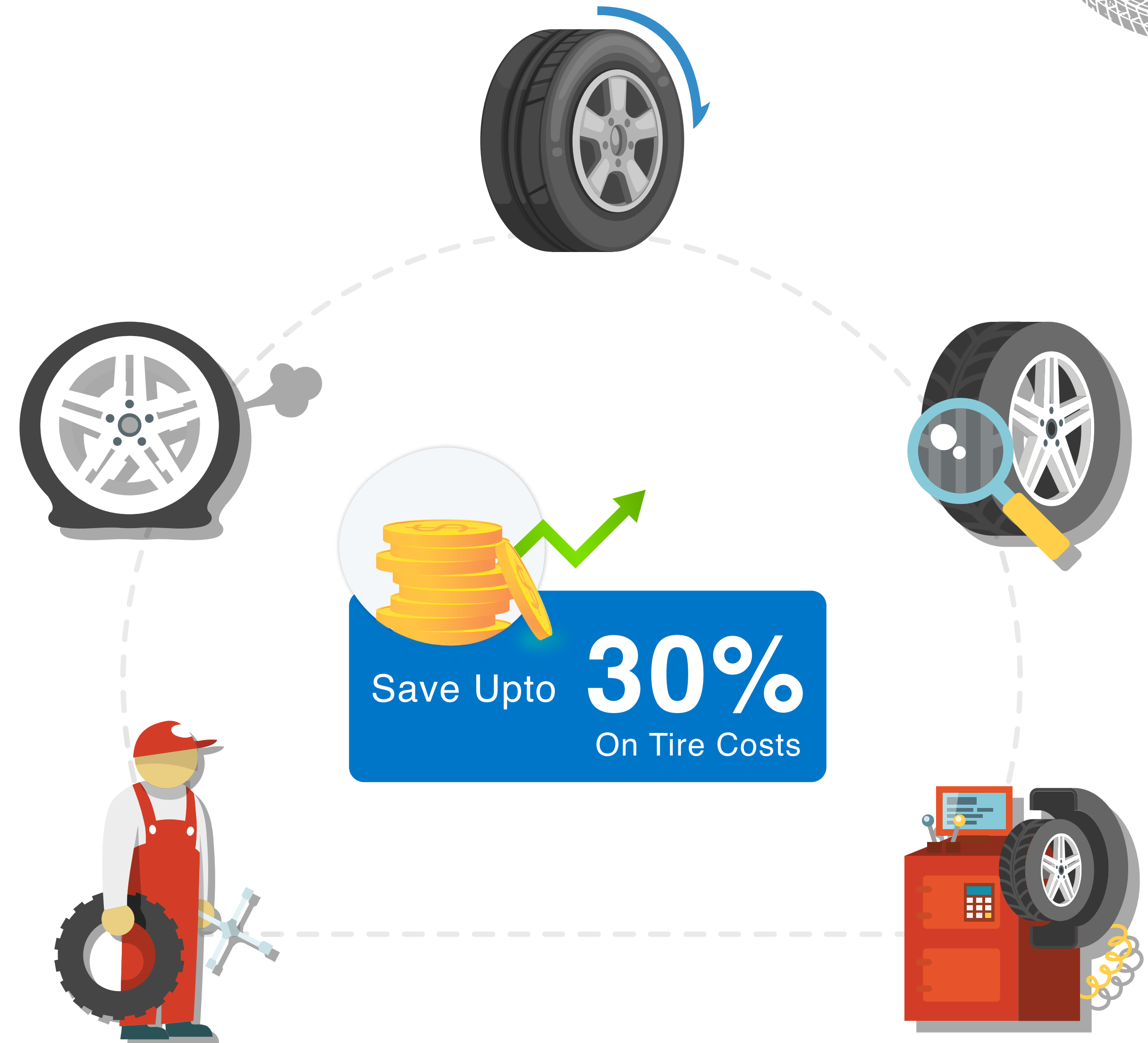# trakzee

TIRE MANAGEMENT SOFTWARE

Keep the Fleet Rolling with Confidence

After fuel, the cost of tires ranks second in the fleet management industry. While managing a fleet, keeping track of tires can be a daunting task for your clients. That's where tire management software comes in. Your clients will be able to-

- track the performance and maintenance needs of each tire
- track operations performed on tires
- get detailed reports on tire events
- get tire installation history
- perform digital inspection
- maintain tire stock

Empower your clients with all the information they need at their fingertips. With real-time visibility they will be able to make informed decisions and optimize fleet's performance.

Save Upto **30%** On Tire Costs

2

Tire Stock Management

Since many fleet managers maintain tire stocks on paper or on an excel sheet, they don't have proper reports of tire stocks. Due to low visibility into tire inventory levels, it becomes challenging to keep track of inventory levels. Identifying low stock levels, and planning tire replacements or purchases also becomes difficult.

- easily upload tire stock details via an Excel file
- track the number of tires in stock and their location
- know when they were last inspected or serviced
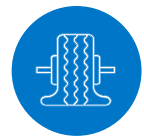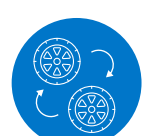- get various reports for both new and used tires etc.

Tire Overview

Vehicle No	K10 - 369
Tire Brand	Ceat
Tire Size	P185/65R18
Tire Condition	Used
Inspecion Date	15\01\2023

V/S

Tire Overview

Vehicle	Brand	Model	Serial No.	Condition	Inspection Date	Size	Status
GJ 15 SS 2097	Apollo	AP235	11235	New	03-02-2022	145/80R12	In stock
MH 01 9032	MRF	MR142	09142	New	06-02-2022	285/35R22	On vehicle 16
RJ 07 DD 1123	Ceat	C2333	22333	Used	08-02-2022	265/40R21	Unusable
KL 02 MN 5779	Yokohama	YOKO2	00002	Used	08-02-2022	275/35R21	In stock
GA 04 JJ 1789	Michelin	MIC15	13115	Used	03-08-2022	175/60R15	In stock
MH 01 AB 6987	MRF	MR568	00009	New	07-08-2022	205/45R17	On vehicle 13
RJ 01 AB 4245	Ceat	C1563	00360	Used	04-01-2023	179/45R17	On vehicle 12

Tire Operations

Effective tire operations management is crucial for any fleet, and keeping track of tire-related activities such as punctures, rotations, regroove, retread, remolding, etc can be a tough task for fleet managers. Without proper documentation, it's difficult to know the cost of each tire and track its performance over time.

When a tire has been punctured

When a tire has been remolded

When a tire has been rotated

When tire regrooving has been done

Your clients can also make use of RFID tags to keep track of tire operations and check all tire related issues. This will help them to make informed decisions and save big on tire costs.

Tire Operation

Odometer*:
484.17

Tire Position*:
FL0

Operation*:
Change Position
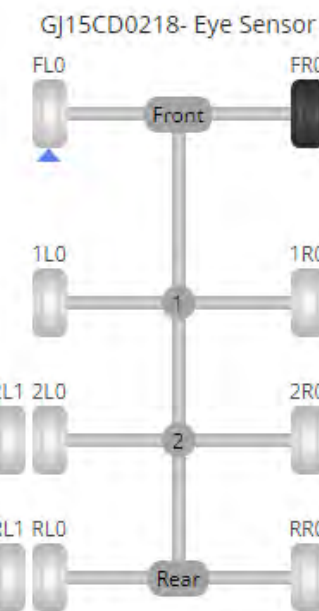
Select
Change Position
Change Vehicle
Rotate
Repair
Regroove

New Tire Position :
Select

Description :

GJ15CD0218- Eye Sensor

FL0   FR0
Front

1L0   1R0
1

2L1 2L0   2R0 2R1
2

RL1 RL0   RR0 RR1
Rear

FL0-8888
Brand   Bridgestone - general   Sensor Id   --
RFID   RFD9093   Pattern   --
Size   295   Depth   0.0

4

Tire **Inspection**

Tire blowouts are the cause of numerous road accidents. As a result, many countries now have vehicle inspection laws before the trip starts. When tire inspections are done on paper, records cannot be properly maintained.

With digital tire inspection-

→ Driver can easily inspect the tires through a mobile app

→ Record findings making it easier to address the issues immediately.

→ Identify potential tire-related issues before they become a major problem.

→ Improve safety and extend the life of the tire.

Tire Inspection Details

Company*:
Telematics ▼

Branch*:
Telematics ▼

Object*:
ITriangle Obd ⇕

Inspection:

Front
FL 1 - No Tire ›
FL0 ›
FR0 - No Tire ›
FR1 - No Tire ›

Axle 1
1L0 - No Tire ›
1R0 - No Tire ›

Axle 3
3L0 - No Tire ›
3R0 - No Tire ›

Axle 3
RL1 - No Tire ›
RL0 - No Tire ›
RR0 - No Tire ›
RR1 - No Tire ›

Fl0
Is the tires have lumps or bumps or cracks?
○ yes ⦿ No

Is anything stuck in the tire?
○ yes ⦿ No

Is the tire size correct?
○ yes ⦿ No

Is the tire in good condition?
○ yes ⦿ No

Is the tire inflated properly?
○ yes ⦿ No

Is the tire wearing unevenly?
○ yes ⦿ No

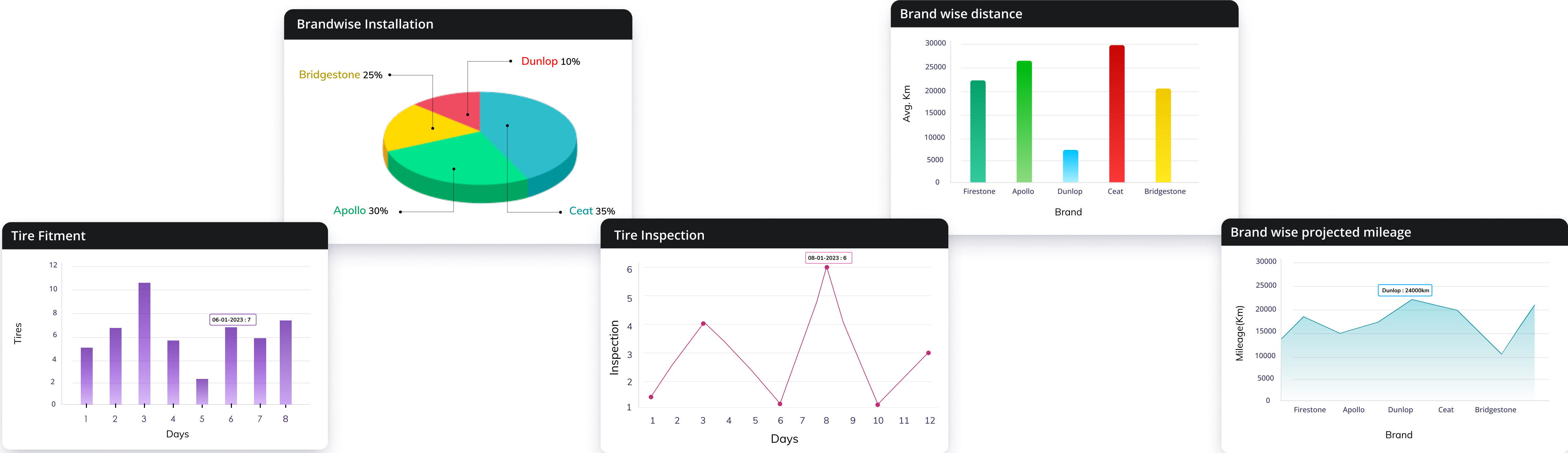Is there an unusual wear pattern on the tire?
○ yes ⦿ No

Depth

Remark

5

Graphical Analytics of Rolling Tires

Charts are a powerful tool for visualizing data and gaining insights into tire performance. With variety of charts provide your clients with a comprehensive overview of their tire usage, performance, and costs. They can easily track tire installation and inspections, as well as analyze data on distance covered, projected mileage, and more. Our charts are designed to be user-friendly and provide real-time data, enabling fleet owners to make informed decisions about their tire management strategies.

- Tire Installation Chart
- Brandwise Installation Chart
- Tire Inspection Chart
- Distance covered brand wise
- Brand wise projected mileage

Brandwise Installation

Dunlop 10%
Bridgestone 25%
Apollo 30%
Ceat 35%

Brand wise distance

Avg. Km

Firestone Apollo Dunlop Ceat Bridgestone
Brand

Tire Fitment

Tires

06-01-2023 : 7

1 2 3 4 5 6 7 8
Days

Tire Inspection

Inspection

08-01-2023 : 6

1 2 3 4 5 6 7 8 9 10 11 12
Days

Brand wise projected mileage

Mileage(Km)

Dunlop : 24000km

Firestone Apollo Dunlop Ceat Bridgestone
Brand

6

Detailed Tire Trends

Information is power, and in the tire management world, accurate and detailed reports are key to success. The tire management software offers a range of reports that will give your clients a complete picture of your tire inventory, usage, and performance. With these reports, they can make data-driven decisions that optimize fleet's performance, reduce costs, and increase safety.

Key Highlights

→ Tire Status Report

→ Tire Event Summary Report

→ Tire per Vehicle Report

Tire Status

Brand	Object	Tire Position	Fit Date	Tread Loss	Mileage
Ceat	Vehicle 5510	FR0	03-02-2020	10.9	563.2
JK Tyres	GJ 21 JJ 2352	1L1	05-05-2020	11.0	20.33
Dunlop	MH18 BK 2230				
Apollo	TN 02 TT 6665				

Tire Event

Event	Event Date	Description	Object No	Mileage	Event By
Allocate Tyre	19-04-2021 06:05 PM	Replacing old tyre	Tire258	698.2	5kktraders
Change Position	22-04-2021 09:10 PM	Shifting on the front axle	003	198.3.2	iot11
Stock	01-05-2021 10:				
Allocate Tyre	09-05-2021 03:				
Rotate	24-05-2021 04:				
Change Position	30-07-2021 09:				

Object Tire

Tire Position	Tire Serial No	Mileage	Condition	Description	Event By
FR0	ST 8376-II	698.2	New	Replacing old tyre	5kktraders
FR1	RED-J0976	198.3.2	New	-	iot11
FR2	009-IV	1103.3	Repaired	More friction	jk900
FR3	GY - 9076-s	423.6	Used	-	iot13
FR4	MFi-S021	698.2	Used	-	user15
FR5	#KL-6367	789.5	Repaired	Replacing old tyre	user30

From Cost Center to Profit Center: The ROI of Tire Management

Without Software	Cost Parameters per year	With Software
$ 1500	Tire maintenance cost per truck	$ 1100
$ 2000	Downtime cost per truck	$ 1500
$ 2500	Tire replacement cost per truck	$ 2000
$ 6000	Total cost per truck	$ 4600
$ 60000	Total cost for 10 trucks	$ 46000

Cost Saving per year with Tire Management Software $14000

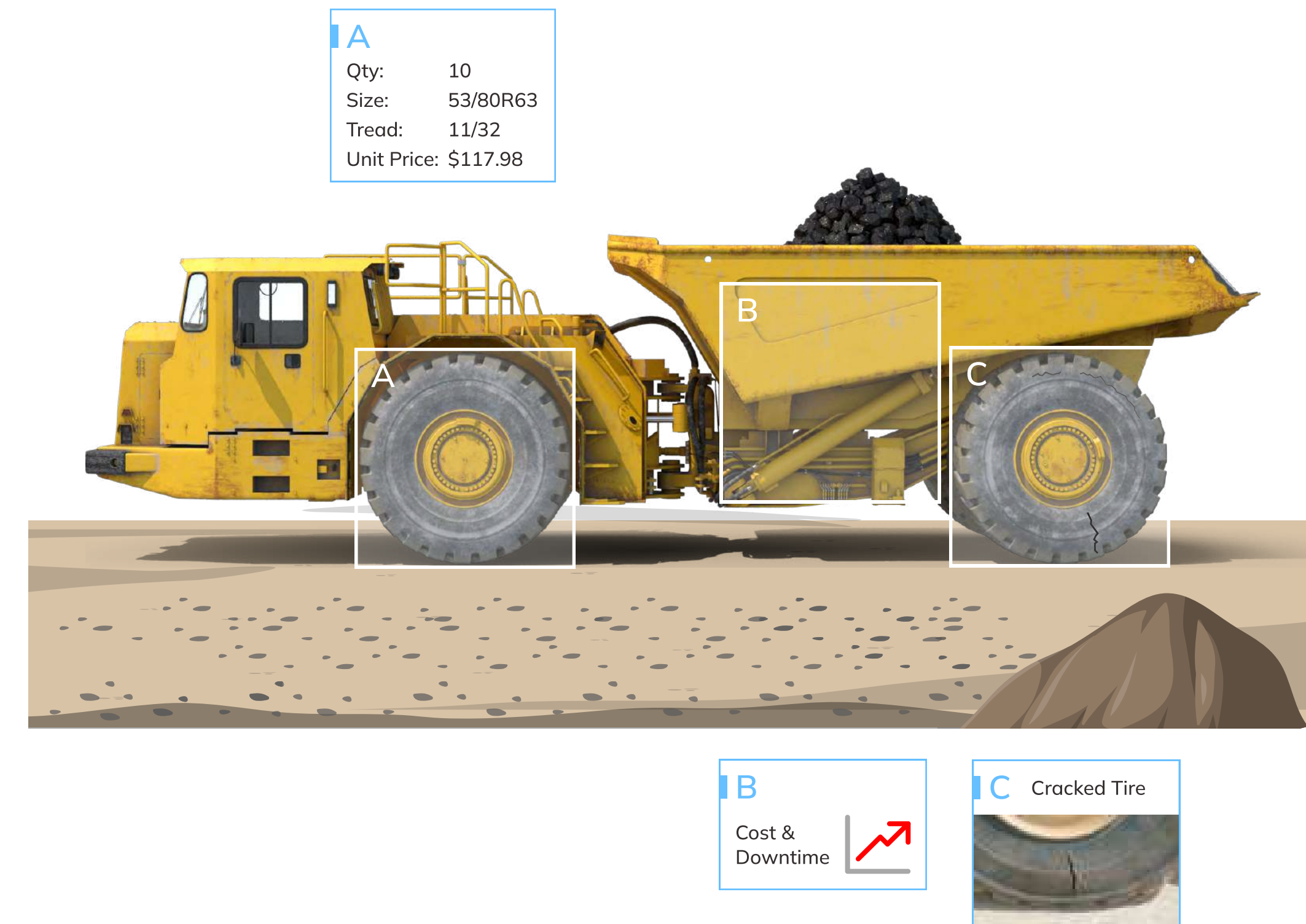# Revolutionizing Tire Management in Mining Industry

Challenges

- Unable to track tire stocks.
- Rocks, debris, and other hazards common in mining environments caused tire damage that can lead to unexpected downtime and increased costs.
- The rugged terrain and heavy loads common in mining can lead to uneven wear on tires, which can affect overall tire performance and lifespan.
- Inefficient maintenance scheduling lead to safety risks related to tire failures.
- Limited data analysis and reporting capabilities.

Solution

- Real-time visibility into tire stocks.
- Various reports on tire usage and performance to enable data-driven decisions.
- Digital inspections for efficient maintenance scheduling.
- Tire installation and brandwise installation charts to track tire usage and ensure proper equipment.
- Distance covered and projected mileage charts for comprehensive tire performance overview.

Results

- Significant improvements in tire management processes.
- Reduced downtime and improved equipment reliability.
- Lowered maintenance costs.

A
Qty:	10
Size:	53/80R63
Tread:	11/32
Unit Price:	$117.98

B
Cost & Downtime

C Cracked Tire

Overcoming Tire Management Challenges in the Trucking Industry
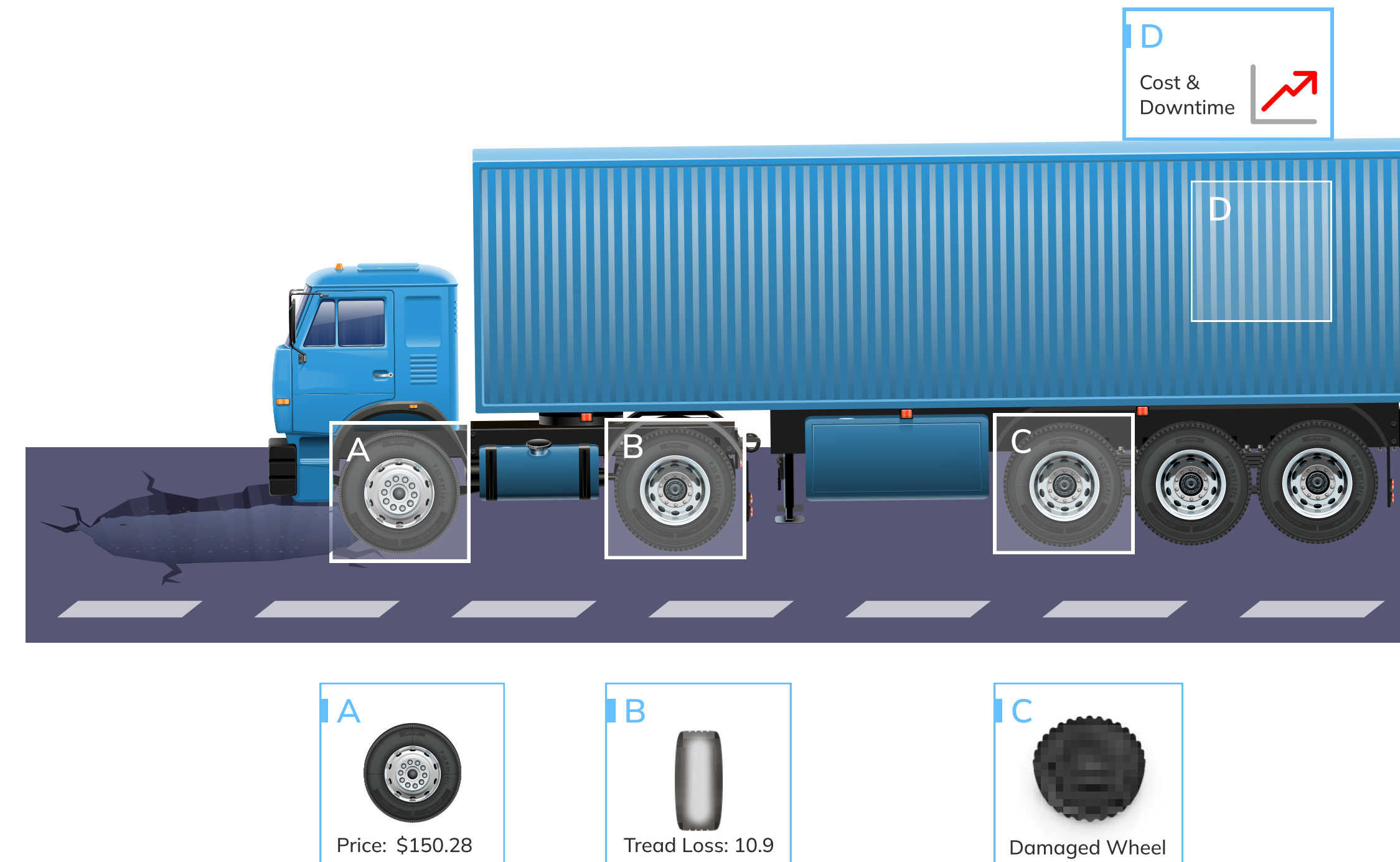
Challenges

- Cost is one of the major concerns, as replacing tires was a significant expense for trucking companies.
- Balancing the cost of replacement with maintaining good tire performance was tricky.
- Tire failures due to debris on the road or potholes caused tire damage or punctures went unnoticed.
- Frequent downtime resulted in significant financial losses.

Solution

- With tire stock management the company was updated about their tire inventory and location.
- With real-time data on tire performance, company tracked tire history according to the brands.
- Tire inspections were also implemented to identify tire issues before they become critical.
- The analytics were used to analyze tire performance data and predict tire failures proactively.
- Trucking companies identified patterns and addressed tire issues before they became critical.

Results

- Improved tire performance and longevity, reducing the cost of tire replacement and maintenance.
- Enhanced safety, with fewer tire failures leading to accidents and downtime.
- Reduced downtime, allowing trucking companies to stay on schedule and avoid financial losses.

D
Cost & Downtime

D

A

B

C

A
Price: $150.28

B
Tread Loss: 10.9

C
Damaged Wheel

Revolutionizing Tire Management in Agriculture Industry: A Success Story

Challenges

- Difficulty in managing the large number of vehicles and tires involved in agriculture operations.
- Heavy agricultural equipment leads to soil compaction, which caused damage to tires and reduced their lifespan.
- Agricultural vehicles often operate on rough terrains, which leads to uneven wear and tear on tires.
- Replacing tires is a significant expense for the agriculture industry, and finding the balance between replacement and maintenance is crucial.

Solution

- Reports on tire usage and performance, enabled the company to schedule maintenance efficiently.
- With inspection module the company performed regular tire inspections to catch potential issues.
- Installation chart and brand-wise installation chart to track tire usage and ensure that each vehicle is equipped with the right type of tire.
- Distance covered brand-wise chart and brand-wise projected mileage chart to provide a comprehensive overview of tire performance.

Results

- Lowered maintenance costs due to improved maintenance scheduling.
- Improved safety due to reduced risk of tire failures.
- Increased efficiency in tire management, resulting in cost savings for the company.

A

B

A

Quantity: 15

B

Tread Loss: 20.5   Maintenance

Our software is designed to be **flexible**, **scalable**, and **customizable**. We understand that every business is unique, and we work closely with our customers to ensure that our solutions are tailored to meet their specific needs.

Contact us today to learn more about how our software can benefit your business.
info@uffizio.com

Thank you!