

Tyre Management / Maintenance System



XContent Tyre Management System (XCTMS)



XCTMS is a comprehensive independent Tyre Management System that provides for the maintenance, management, and accurate live reporting of vehicle tyre performance within a registered fleet (on-Vehicles, in-Stores and at off-site locations)

- Built on Microsoft Technologies and hosted on the Azure platform, a centralized cloud-based platform accessible anywhere and anytime through desktop web browsers, apps and mobile devices using the android Operating system.
- Data is securely managed and maintained using the Microsoft SQL (Structured Query Language) database on Azure.
- The analytics service used to render dashboards, reports and graphs is the Microsoft Power BI(Business Intelligence)tool which resides within the Azure Platform and Interacts with the XCTMS.
- The Microsoft Solutions and Technologies that XCTMS uses, provides data loss security and maintains your data privacy,
- Protection against vulnerabilities, as well as external and internal threats are built-in and data regulatory compliance, disaster recovery, access control management, server and administration management, are all catered for.

Advantages and Benefits

Cost Savings

- Promotes management and maintenance of optimal tyre pressure, resulting in longer lasting tread performance and lowering CPK.
- Reduces Labour costs associated with tradition paper-based tyre management systems.
- Early Identification and correction of tyre problems, avoiding costly in field breakdowns and rapid tyre wear

Safety

- Enhances active checks on tyres preventing premature on road tyre failure
- Operating correct pressures improves tyre grip on roads and improves safety in wet weather conditions

Customer Peace of Mind

- Reliable stock control of tyres
- Accurate fleet data: the use of probes connected to smartphones helps eliminate bad data.
- Effectively removes guess work by granting clear, statistical and analytical data used for budget purposes



XCTMS Features

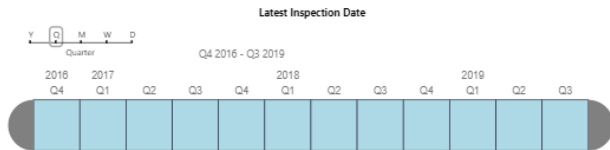
- Electronic time efficient tyre Survey
- Paperless Survey
- No need for Worksheet “papers”
- Multiple Transport Industry , Country , Company Fleets and Users.
- Secure Logon and Audit Information
- Customisable KPI system
- Customisable User and Role Management
- Standard and Variable Configurations i.e. Vehicles, Axles, Tyre Sizes, Makes, Patterns, Observations, Actions , Notifications and Failure Templates
- Actual (Fact)Tyre Surveys and Audits
- Comprehensive Tyre timeline and history i.e. Virgin life, retread 1 , retread 2, repairs, etc
- Tread-depth and Pressure recording
- Live and Final Cost-per-kilometer (CPK) management
- Comprehensive tailor-made Reporting & Analytics



Dashboard | Reports

TMS - Directors Dash Board Inspected Tyres

Are Vehicles Active Tyres Mounted



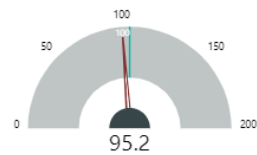
Registered Vehicles Last Inspected

Fleet	Number Vehicles	Number Tyres
Centurion	21	166
De HEUS	6	30
CC Transport	3	22
Botsele Carriers	2	12
CCK TRANSPORT	4	6
Test	5	5
BWater	2	2
NI	1	2
SG Coal KIF	1	1
Total	45	246

Tyre Inspections

Vehicle Registration	Vehicle Fleet Number	Tyre Serial Number	Tyre Makes	Latest Inspected date	Is Last Inspection
123456	6100	ABC1	Dunlop	7/31/2019 8:58:10 AM	Yes
123456	6100	ABC2	Dunlop	7/31/2019 9:11:18 AM	Yes
BC8SLDGP	BC8SLDGP	CZ530568	RingTread	8/24/2018 4:47:16 AM	Yes
BC8SLDGP	BC8SLDGP	HAW22914	Pirelli	8/24/2018 4:54:21 AM	Yes
BC8SLDGP	BC8SLDGP	HAW23808	Pirelli	8/24/2018 4:49:21 AM	Yes
BC8SLDGP	BC8SLDGP	HAW23824	Pirelli	8/24/2018 4:53:22 AM	Yes

Tyre Pressure Measurement



TMS - Tyres in Sites and Scraped

Tyres in Sites

Site Name	Site Type	Number Tyres
SHALIN'S TYRE'S	Tyre Dealer	1
Klerksdorp De Heus	Repair Shop	1
Kempiton Park	Spare Tyre	1
Kempiton Park	Stock	8
hot spot	Tyre Dealer	1
ELASTOPLAST RETREADER	Re-treader	1
CENTURION DEPOT	Warehouse	2
Total		21

Tyres in Service

False

True

Tyre Site Detail

Site Name	Site Type	Tyre Serial Num	Date
CENTURION DEPOT	Warehouse	JBE6698	7/17/2019 7:31:54 AM
Kempiton Park	Stock	02DH0119	7/19/2019 7:02:48 AM
Kempiton Park	Stock	03DH0119	7/19/2019 7:03:56 AM
Botsele Carriers	Stock	BOS19017	7/20/2019 9:58:47 AM
Botsele Carriers	Stock	05CCX1018	7/22/2019 10:01:08 AM
CENTURION DEPOT	Warehouse	1703G46265	7/24/2019 2:12:05 PM
Botsele Carriers	Stock	H8BX10647	7/24/2019 2:13:35 PM
Botsele Carriers	Stock	12DH0719	7/26/2019 9:02:35 AM
ELASTOPLAST RETREADER	Re-treader	JBE69041	7/29/2019 9:22:15 AM

Scrap Bin Overview

Serial Number	FleetNumber	Number Of Tyres	Scrapped Date
080806	CZ87FDGP	1	7/26/2018 12:08:04 PM
B72281	CZ87FDGP	1	7/26/2018 12:03:45 PM
B72282	CZ87FDGP	1	7/26/2018 12:04:17 PM
DOT0715	CZ87FDGP	1	7/26/2018 12:06:14 PM
023489	DX67FDGP	1	7/26/2018 12:12:05 PM
023539	DX67FDGP	1	7/26/2018 12:15:03 PM
032731	DX67FDGP	1	7/26/2018 12:17:30 PM
1338708039	DX67FDGP	1	7/26/2018 12:25:47 PM
VK010515	DX67FDGP	1	7/26/2018 12:21:39 PM
JAN04956	DY92VLGP	1	7/26/2018 2:17:36 PM
RC030217	DY92VLGP	1	7/30/2018 2:31:53 PM
RC031217	H480TXGP	1	7/12/2018 9:00:16 AM
01DH0119	K13	1	7/10/2019 1:39:09 PM
029472	RYW478GP	1	7/17/2018 10:53:28 AM
15040310201	RYW478GP	1	8/21/2018 9:11:45 AM
UZL17175	RYW478GP	1	9/3/2018 2:47:05 PM
x98942	RYW478GP	1	8/13/2018 9:33:22 AM
11156148	WPL236GP	1	8/30/2018 1:44:04 PM
RC0010	WPL236GP	1	7/23/2018 9:25:07 AM
JBE51526	WVC534GP	1	7/26/2018 1:20:58 PM
JBE62076	WVC534GP	1	7/26/2018 1:06:07 PM
J01	VNA761GP	1	6/5/2018 10:07:43 AM
Total		22	

Sites Time Line



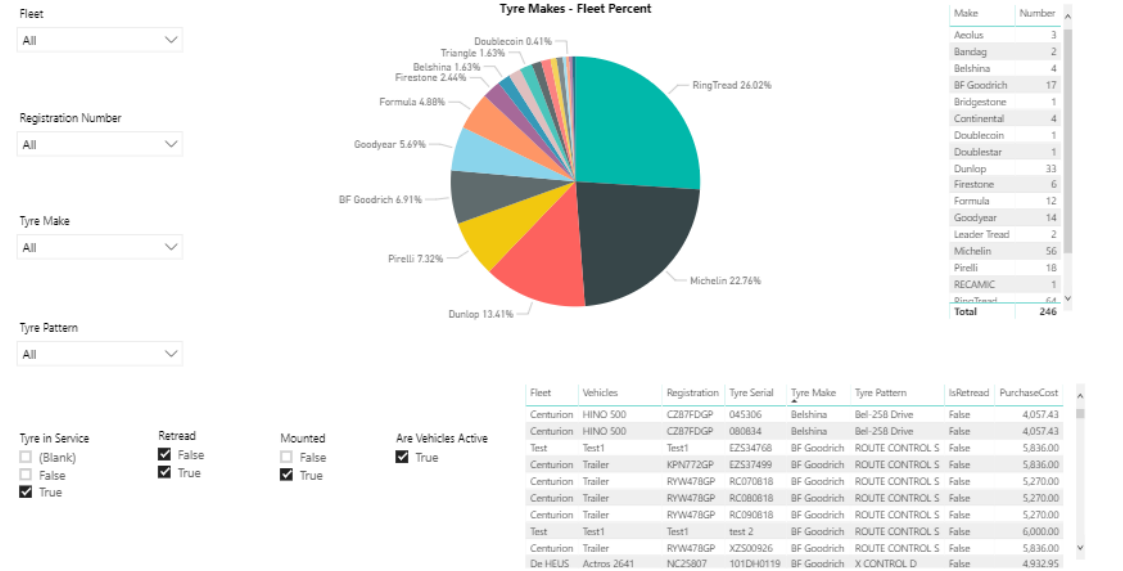
Dashboard | Reports

TMS - Tyre CPK (Cents Per Kilometer)

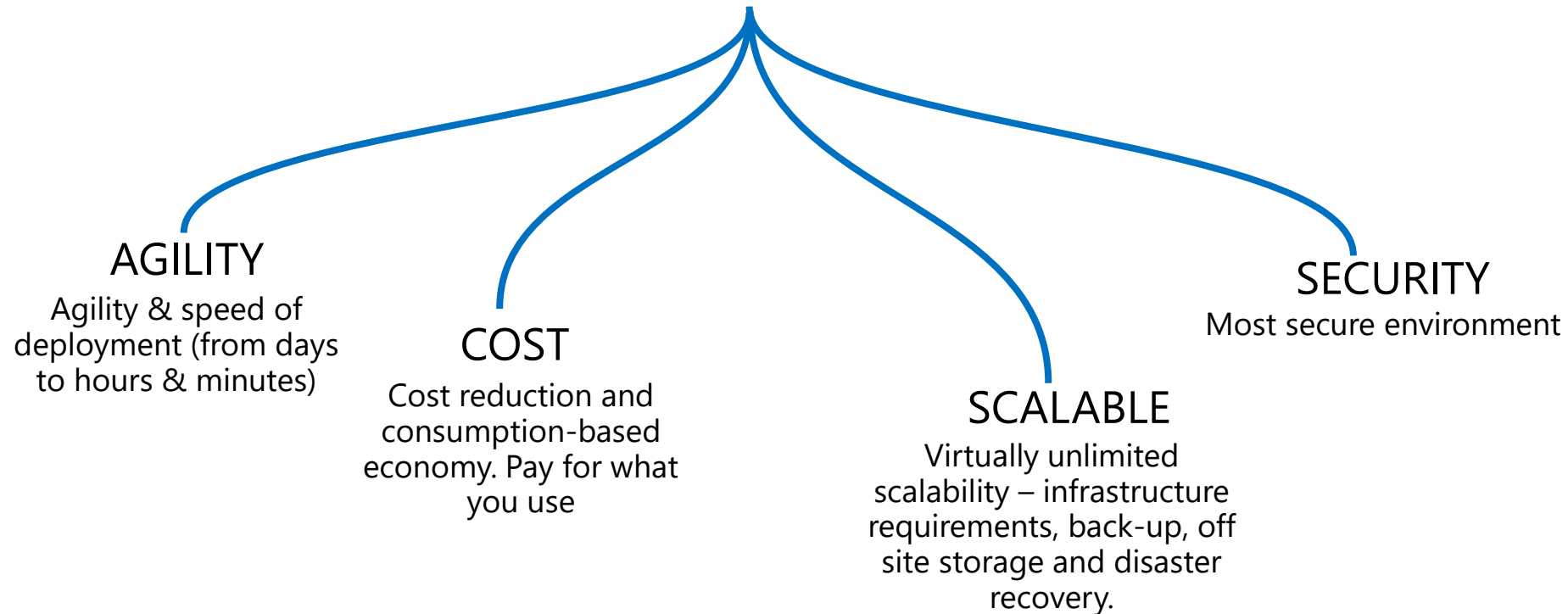
Fleets: Registration Number: Tyre Makes: Pattern: Tyre Retread: Tyre Mounted: Tyres in Service:

Tyre ID	Tyre Serial Number	Tyre Make	Tyre Pattern	IsRetread	Life Index	Num of Lifes	Life Start	Life End	PurchaseCost	TotalDistance	OdometerOff	CPK
144	7095353578	Ring tread	RZFE-100	True	1	2	6/29/2018 12:00:00 AM		1,880.00	4	5	470.000
148	38201409123	Ring tread	RZFE-100	True	1	2	7/10/2018 12:00:00 AM		1,880.00	4	5	470.000
185	B120756618	Ring tread	RZFE-100	True	1	2	7/17/2018 12:00:00 AM		1,880.00	4	5	470.000
76	RC0004	Ring tread	RZY-HM	True	1	2	6/26/2018 10:00:00 PM		2,020.00	5		404.000
199	YBP83240	Pirelli	FR25	False	0	1	3/1/2017 10:00:00 PM	7/24/2018 10:00:00 PM	4,565.00	145	606950	31.483
200	RC151117	Pirelli	FR-015	False	0	1	12/11/2017 10:00:00 PM		5,358.00	1368	1369	3.917
251	test 2	BF Goodrich	ROUTE CONTROL S	False	0	1	8/31/2018 10:00:00 PM		6,000.00	2000	12000	3.000
109	VXS08790	Michelin	X Multi	False	0	1	2/17/2017 10:00:00 PM		5,400.00	2129	277688	2.536
139	EZ534768	BF Goodrich	ROUTE CONTROL S	False	0	1	1/13/2017 12:00:00 AM		5,836.00	3452	3453	1.691
185	B120756618	Ring tread	RZFE-100	True	1	2	7/17/2018 12:00:00 AM		1,880.00	1363	1369	1.379
143	UZL17175	Ring tread	RZFE-100	True	1	2	6/29/2018 12:00:00 AM	8/26/2018 10:00:00 PM	1,880.00	1368	1369	1.374
252	Test3	BF Goodrich	ROUTE CONTROL S	False	0	1	8/31/2018 10:00:00 PM		6,000.00	7000	13000	0.857
23	RC211117	Pirelli	ST01 Trailer	False	0	1	11/29/2017 12:00:00 AM		4,710.00	5691	5692	0.828
25	RC181117	Pirelli	ST01 Trailer	False	0	1	11/29/2017 12:00:00 AM		4,710.00	5691	5692	0.828
26	RC201117	Pirelli	ST01 Trailer	False	0	1	11/29/2017 12:00:00 AM		4,710.00	5691	5692	0.828
181	RC191117	Pirelli	ST01 Trailer	False	0	1	11/29/2017 12:00:00 AM		4,710.00	5691	5692	0.828
51	JBE51526	Pirelli	TR 01	False	0	1	6/9/2017 10:00:00 PM	7/6/2018 10:00:00 PM	6,270.00	9385	128083	0.668
52	JBE62076	Pirelli	TR 01	False	0	1	6/9/2017 10:00:00 PM	7/6/2018 10:00:00 PM	6,270.00	9385	128083	0.668
11	RC010917	Michelin	XZ All Roads	False	0	2	2/10/2018 12:00:00 AM	8/12/2019 9:44:48 AM	6,899.00	11234	591718	0.614
12	RC020917	Michelin	XZ All Roads	False	0	1	2/10/2018 12:00:00 AM		6,899.00	11234	591718	0.614
58	JBE69041	Pirelli	TR 01	False	0	1	6/9/2017 10:00:00 PM		6,270.00	12924	141007	0.485
183	YDU08087	Formula	Drive	False	0	1	7/6/2018 10:00:00 PM		5,531.50	12924	141007	0.428
73	RC061117								6,000.00	7000	13000	0.857
Totals						670				62581955		0.016

TMS - Tyre Make Overview



Harnessing the cloud





Thank you

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