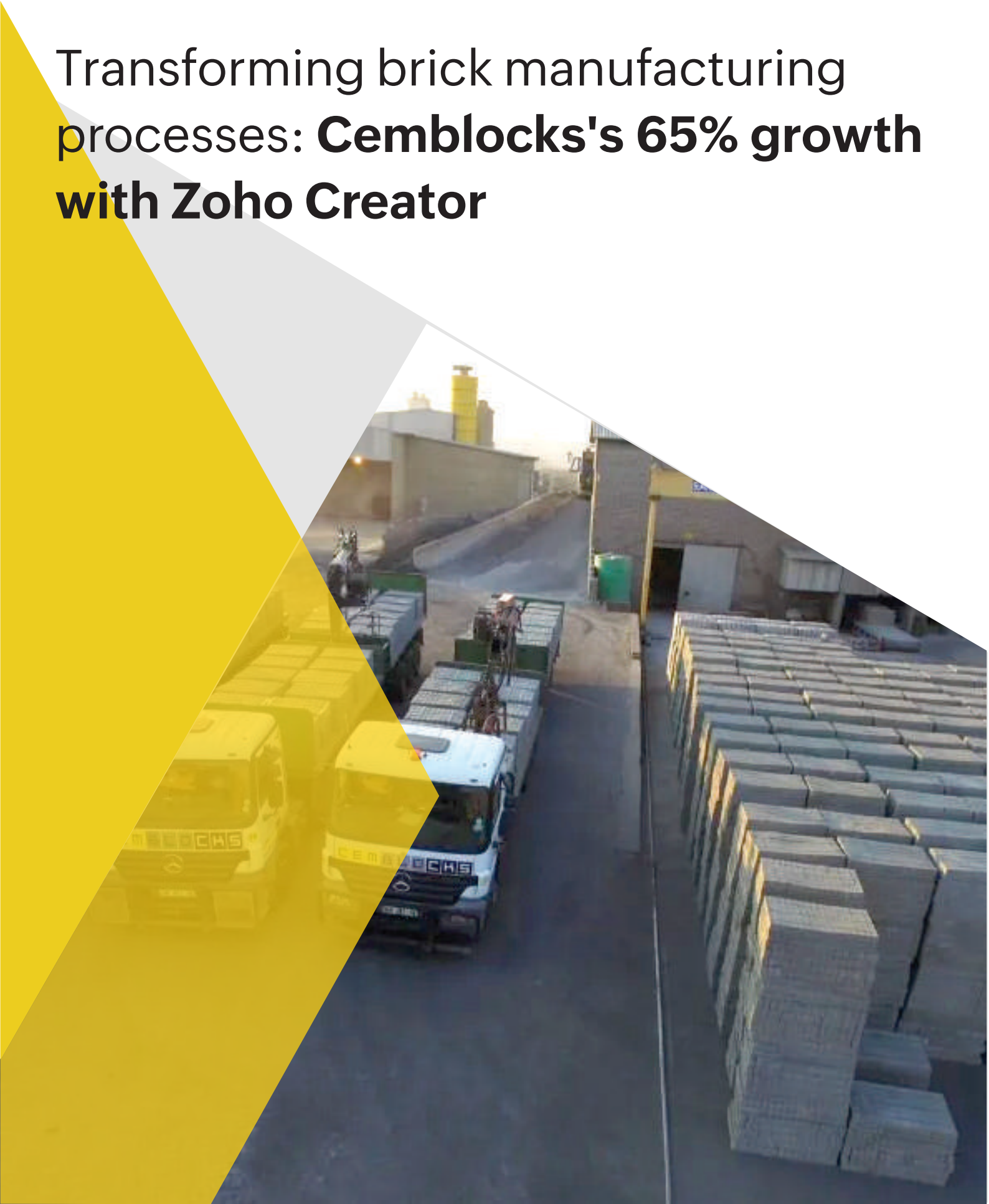


# Transforming brick manufacturing processes: **Cemblocks's 65% growth with Zoho Creator**



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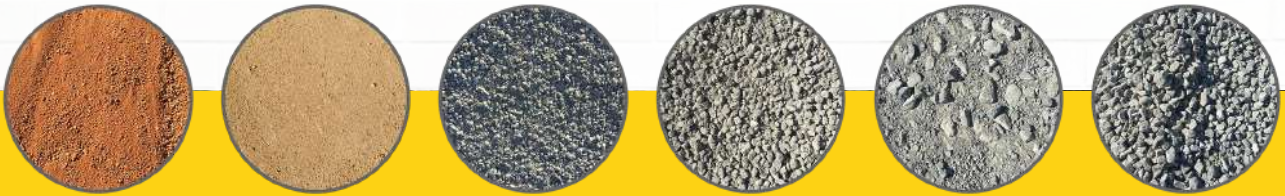
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# The company

Cemblocks is a leading manufacturer of bricks and paving material in South Africa. Since 1982, the company has been making its way to the top of the industry with its high-quality products and top-notch customer service.

There's more to this company than just its success. Cemblocks believes in sustainability, and in order to minimize its impact on the environment, it uses environmentally-friendly production methods. The company has also supported several social upliftment projects, giving back to the people who helped make its success possible.

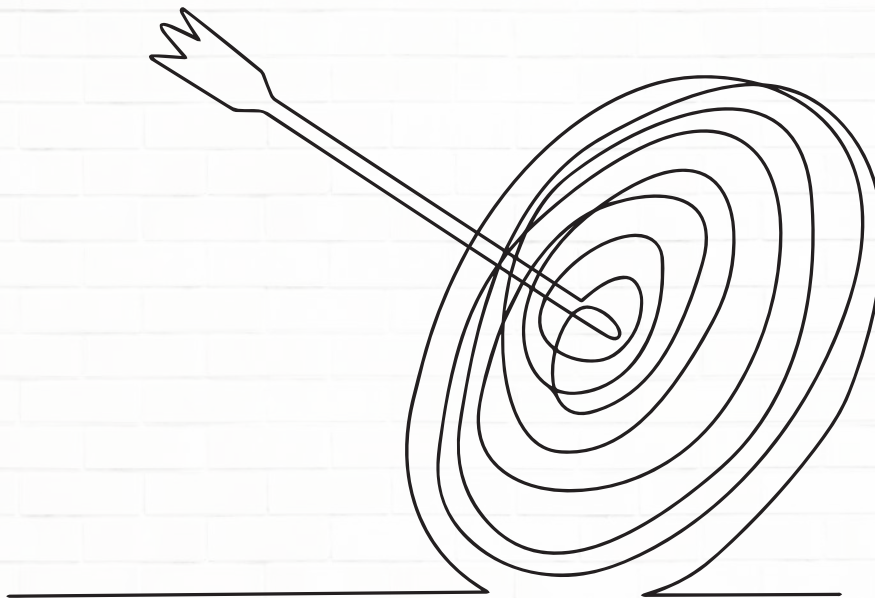


# The challenges

The company had a fleet of over 50 assets, including trucks, dump trucks, and loaders, which were used for various operations across their manufacturing plants.

However, as the company expanded, it faced several challenges managing its operations efficiently. The manual processes for tracking inventory levels, scheduling asset maintenance, and managing customer orders were time consuming and prone to errors. These challenges were a roadblock for the company, hindering its progress in the industry.

Cemblocks needed a solution that could automate these processes and streamline operations. Driven by its commitment to excellence and sustainability, the company realized a change was necessary. It was time for the company to embrace new technology to enhance its productivity, reduce manual errors, improve customer satisfaction, and take its operations to the next level.





# The solution

In order to streamline operations, Jay Horn, the logistics manager, decided to leverage Zoho Creator as a solution to handle the challenges faced by the company. This allowed the company to create custom applications to automate processes and workflows.

The company built several applications on Zoho Creator which include:

## **Inventory management application:**

The company built this application to track the inventory requirements of its products and raw materials in real time. It also generated automated reports to ensure the company always stayed in stock.



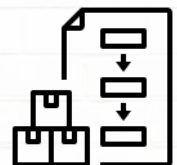
## **Asset management application:**

This application helped the company manage its fleet of assets more efficiently. It allowed the company to schedule regular maintenance for its assets, track the location of each asset in real time, and monitor fuel usage, mileage, and other key metrics.



## **Order management application:**

Zoho Creator helped the company create an app to manage customer orders more efficiently. It allowed the company to integrate other applications to track the status of each order in real time, sending automatic emailing invoices and signed delivery notes, and WhatsApp notifications to customers when their orders were ready for delivery.



## Logistics system application:

The company also developed a logistics system application with Zoho Creator to manage its logistics system more efficiently. This application includes several features, such as fleet schedule and job card tracking, which help the company ensure its assets are used as efficiently as possible.



With Zoho Creator's flexibility to integrate third-party applications, the fleet schedule feature allowed the company to automatically import invoices from an ERP system and notifying customers through WhatsApp which resulted in better customer experiences. This app also facilitates scheduling deliveries per truck and integrates with truck scales to allocate correct load weights and track the duration of a vehicle for each trip.

In addition, the job card facilitates full fleet maintenance; automatic notifications when trucks, loaders, and other equipment are due for service; and records a full history of which employee or external supplier performed work on an asset.

Logistics System

Delivery Schedule    Services and Maintenance    Collection Schedule    Customer Relations    Tyre Management    Database Maintenance    Reports    Online CRM    Send Messages    Vehicle Movement    Weighbridge    Vehicle Costing    Fuel    Driver Schedules

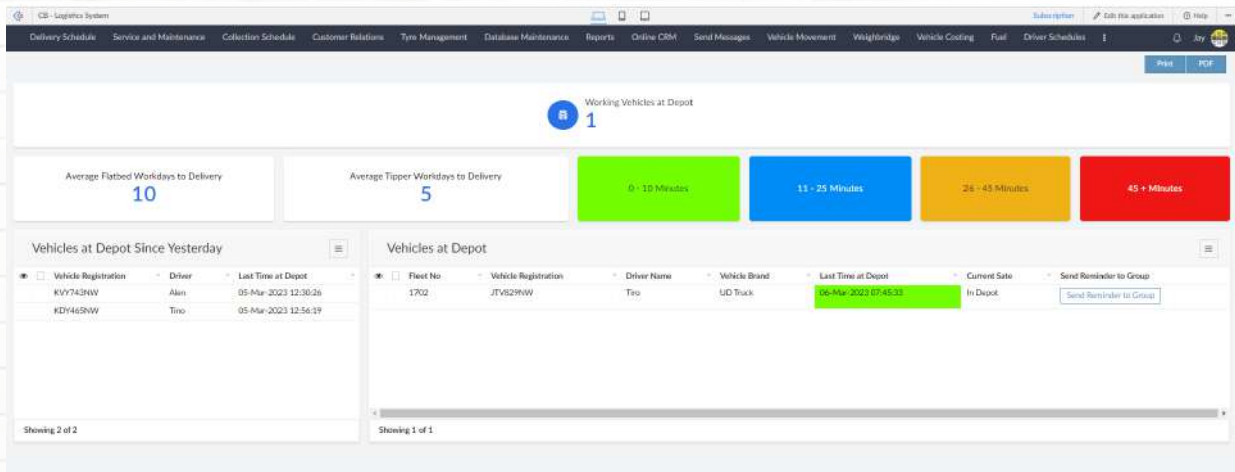
### Cemblocks Fleet Schedule

SEARCH Delivery Date in: 06-Mar-2023

No	Delivery D...	Customers	Customer Name	Internal Order	Delivery Note Num...	Location	Inventory	Delivery Comments
06-Mar-2023 > Flatbed > Large > JTV629NW > Tiro (2)								
1	06-Mar-2023	BEYD03 - Beyond Build Construction M/G/NW2880/RST 22/23 Divokana Ward	Beyond Build Construction	SP64424 - 23002904	DEL156784	Zwerst	60 mm Interlocking Pavers - Grey 30MPa (Class 2)   232.320   22.00	
2	06-Mar-2023	CAS194 - Cash Sales Feb 2023	WILLIAM MOKGETHI	SP65010 - C1BE23006	DEL156788	Therwane	60 mm Interlocking Pavers - Grey 30MPa (Class 2)   116.160   11.00 60 mm Interlocking Pavers - CHARCOAL   116.160   11.00	
06-Mar-2023 > Flatbed > Large > JTV629NW > Tllesing (2)								
1	06-Mar-2023	BEYD03 - Beyond Build Construction M/G/NW2880/RST 22/23 Divokana Ward	Beyond Build Construction	SP64424 - 23002904	DEL156785	Zwerst	60 mm Interlocking Pavers - Grey 30MPa (Class 2)   232.320   22.00	
2	06-Mar-2023	CAS005 - Cashbuild Mogwase	Cashbuild Mogwase	SP64987 - 9268929466	DEL156787	Mogwase	Maxi Blocks   5.040   28.00	
06-Mar-2023 > Flatbed > Large > JHD094NW > Class (1)								
1	06-Mar-2023	FR001 - Primer Construction CC	Rugetsook RDP	SP65021 - 1345	DEL156798	Rugetsook	Maxi Blocks   5.000   28.00	
06-Mar-2023 > Flatbed > Large > HBG24NW > Junior Prince (1)								
1	06-Mar-2023	FR001 - Primer Construction CC	Rugetsook RDP	SP65021 - 1345	DEL156799	Rugetsook	Maxi Blocks   5.000   28.00	
06-Mar-2023 > Flatbed > Small > JCD972NW > Juel (5)								
1	06-Mar-2023	CAS194 - Cash Sales Feb 2023	JOSEPH MONGAKE	SP64980 - 23002703	DEL156790	Pholeg	Maxi Blocks   2.520   14.00	
2	06-Mar-2023	CAS194 - Cash Sales Feb 2023	Patrick Moloi	SP64995 - C1BE27532	DEL156789	Freedom Park	Maxi Blocks   2.560   12.00	
3	06-Mar-2023	CAS194 - Cash Sales Feb 2023	NCHA ALEXANDER	SP64869 - 23002304	DEL156773	Bastenburg	Stock Blocks - 7MPa (326)   4.368   11.00	
3	06-Mar-2023	NOR003 - North West Developers	Manna Pieterse	SP65089 - MANNUS PIETERSE FARM	DEL156806	Swartuggers	Stock Blocks - B-Grade   5.040   15.00	
4	06-Mar-2023	CAS194 - Cash Sales Feb 2023	Pitso De Andrade	SP64511 - C1BE27437	DEL155771	Leqaglong	Maxi Blocks   2.700   15.00	Site was wet on 30

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Show Summary



Auto No.	Status	Planned Date	Job Description	Fleet No	Vehicle Reg.	Vehicle Brand	Type Description	Job Mechanic	KM	Job Type	Remarks (Completion)
18875	Completed	03-Mar-2023	Diesel air-fuck problem	G1403	G1403	JCB	JCB 4322X FRONT-LOADER	Chief Mech TV Staden	14722.00	Mechanical	Fit new stamps on hoists
18878	Open	07-Mar-2023	Bornes and coil off cable damaged	G1702	G1702	Bell	Bell 8298 Dumpster	Pollex & Earth-Moving Equipment	9422.00	Mechanical	
18877	Open	04-Mar-2023	ROADWORTHY	T1202	HV0622NW	Hennel Feuchauf	FLAT CENTRE BOUGE	Lucky truck w/s	33409.00	License (Road Worthy)	
18876	Open	04-Mar-2023	ROADWORTHY	1205	HV0617NW	Mercedes-Benz	Actross MP2 4544	Lucky truck w/s	724194.00	License (Road Worthy)	
18875	Open	04-Mar-2023	Wash + Grease + Checklist	T1202	HV0622NW	Hennel Feuchauf	FLAT CENTRE BOUGE	Chief Mech TV Staden	0.00	Wash-Bay	
18874	Open	04-Mar-2023	WASH AND GREASE	1205	HV0617NW	Mercedes-Benz	Actross MP2 4544	Chief Mech TV Staden	724194.00	Wash-Bay	
18873	Completed	20-Jan-2023	REFER TO J/C 16647	G1504	G1504	Deutz Tractor	DEUTZ FAHR AGROLUX 60 2 WD S/F Helicopters Mast	Chief Mech TV Staden	2322.00	Wash-Bay	REFER TO J/C 16647
18872	Open	10-Mar-2023	ROADWORTHY	T1703	JT410NW	BLAIRHARN ENGINEERING SERVICES	FLAT 3 AXLE TRAILER	Chief Mech TV Staden	0.00	License (Road Worthy)	
18871	Open	10-Mar-2023	ROADWORTHY	1701	JTV828NW	UD Truck	Quester CGE 420	Lucky truck w/s	458830.00	License (Road Worthy)	
18870	Open	10-Mar-2023	Wash + Grease + Checklist	T1703	JT410NW	BLAIRHARN ENGINEERING SERVICES	FLAT 3 AXLE TRAILER	Chief Mech TV Staden	0.00	Wash-Bay	
18869	Open	10-Mar-2023	WASH AND GREASE	1701	JTV828NW	UD Truck	Quester CGE 420	Chief Mech TV Staden	458830.00	Wash-Bay	
18868	Open	08-Mar-2023	ROADWORTHY	M1701	JTB393NW	Tata	LPT13 HEAVY PASSENGER MV BUS	Lucky truck w/s	206656.00	License (Road Worthy)	
18867	Open	09-Mar-2023	Wash + Grease + Checklist	T2101	KP588NW	BLAIRHARN ENGINEERING SERVICES	TIPPER 30m³ PUB	Lucky truck w/s	0.00	Wash-Bay	
18866	Open	09-Mar-2023	Wash + Grease + Checklist	T2003	KVY028NW	PR Trailers	TIPPER 20m³ COPELYN	Lucky truck w/s	0.00	Wash-Bay	
18865	Open	09-Mar-2023	WASH AND GREASE	2002	KDY465NW	Mercedes-Benz	Actross MP4 3045 S/33	Lucky truck w/s	234603.00	Wash-Bay	
18864	Open	08-Mar-2023	WASH BAY	M1701	JTB393NW	Tata	LPT13 HEAVY PASSENGER MV BUS	Lucky truck w/s	206656.00	Wash-Bay	

### Quality management application:

The quality management application was another critical tool developed on Zoho Creator. This app records daily production features, products manufactured, and quantities manufactured according to SANS (South African National Standards) specifications.





Additionally, the application is able to link manufactured goods with packed goods to determine wastage. This feature helps the company identify any inefficiencies in its packaging processes and reduce waste, which can lead to cost savings over time. In a nutshell, this app ensures high levels of quality control, productivity, and efficiency in its production processes.

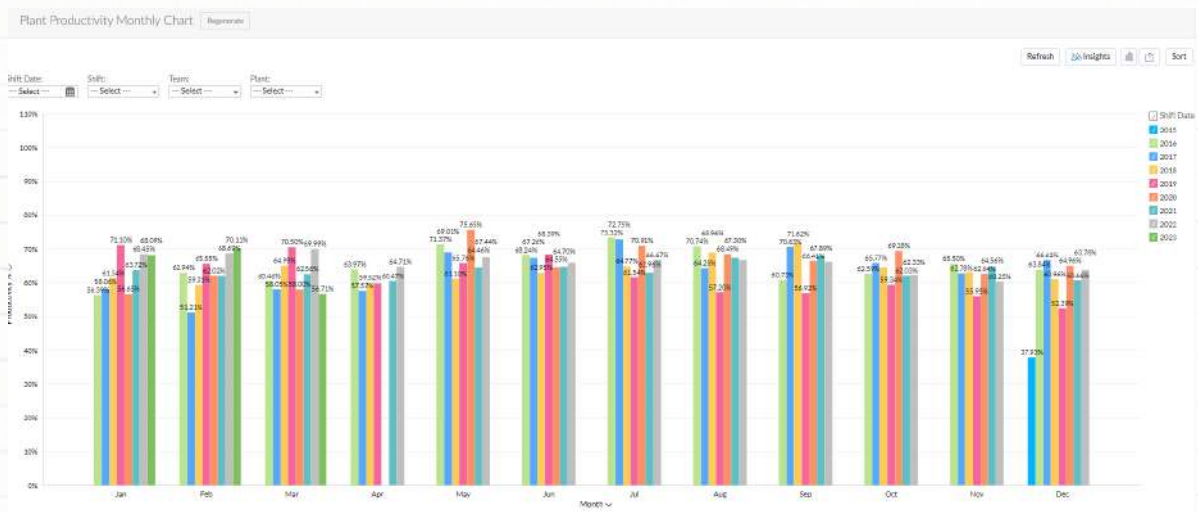
Cambridge Quality Management System

Customer Relations | Laboratory | Production | Service & Maintenance | Store Management | Human Resources | Disciplinary Documents | Employee Management | Health and Safety | Assets | Database Maintenance

### Daily Production Totals Report

Shift Date	Batch Sta...	Plant	Shift	Team	Batch...	Mould Number	Bricks / ...	Shift T...	Product Group	Bricks / P...	Pullets Ma...	Total U...	Total Units Pac...	Productiv...	Fault Reporting	
03-Mar-2023 (1)		Plant-1	Day Shift	Team 1	14871	Mould A1733 - Plant 1 - V6 1 Rock-Face Mould	34	1408	Rock-Face	33400	596	32184	14869-30020.0 14870-20488.0	42.0	maak spatie in jant op te pak   24 malke pelleg voor mix out te rok voo   24 chain conveyer het getrek   51 vibrator motor het getrik   42	
03-Mar-2023		Plant-2	Night Shift	Team 2	14917	Mould SF12237 R51 - Plant 2 - VB4 Bevel 50mm	36	1406	50mm Bevel Paving 25MVA	61200	1328	47808	14915-39780.0 14916-79956.0	83.0	tamper basale van gemakk   14 v setting het getrek   21 stacker switch van af   20 boom scraper lobel was af   142 malke van getrik in stacker   8	
03-Mar-2023		Plant-2	Day Shift	Team 1	14916	Mould SF12237 R51 - Plant 2 - VB4 Bevel 50mm	36	1224	50mm Bevel Paving 25MVA	61200	928	33408	14913-4896.0 14914-24480.0	78.0	stacker probee nu geloko via   6 Vicar koper getrik   12 stere het pavel by grab   12 Vicar aan en af knoppe reg gemakk   30 skaf het in sleep gat gedrecharge   24	
												1,556.00	2,652	113,400	Average : 67.00	
02-Mar-2023 (7)		Plant-1	Day Shift	Team 1	14870	Mould A1733 - Plant 1 - V6 1 Rock-Face Mould	34	1408	Rock-Face	33400	610	32940	14868-30090.0 14869-5678.0	43.0	grate insaker het getrik   24 mould limit switch het van getrik   21 pullete getrip deur mixer te het werk   42 mixer deur power sock-ole op getrik   31	
02-Mar-2023	Not Checked	Plant-2	Night Shift	Team 2	14915	Mould SF12237 R51 - Plant 2 - VB4 Bevel 50mm	36	1406	50mm Bevel Paving 25MVA	61200	1152	41742	14912-5508.0 14913-33600.0	70.8	last getant, hooper bin vloer gemakk   52 pullete bly van huk by pallet guides en pallet magazine, an-druk toe-op mekalar   31 pullete van getrik by pallet turner   8 grate het, steme het vol   14 mixer en pullete, grab conveyor work status   31 hooper bin deur skinder van gemakk   25	
02-Mar-2023	Not Checked	Plant-2	Day Shift	Team 1	14914	Mould SF12237 R51 - Plant 2 - VB4 Bevel 50mm	36	1224	50mm Bevel Paving 25MVA	61200	736	24496	14911-4048.0 14912-18972.0	60.0	Vicar lobel was af   20 stacker limit switch reg gemakk   31 pullete bly van huk by pallet guides en pallet magazine   20 pullete bly van huk by pallet guides en pallet magazine   25 pullete bly van huk by pallet guides en pallet magazine   27	

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## Wastage per Plant

Regenerate

Plant:

All

Batch Number:

All

Manufacture Date:

--- Select ---

Packed Date:

--- Select ---

	Plant	Total Units Manufactur	Total Units Packe	Variance
1	Plant-1	16,530,001.00	15,695,670	5.05%
2	Plant-2	71,709,712.00	66,827,012	6.81%
3	Plant-3	85,891,244.00	71,853,696	16.34%
4	Plant-4	48,492,213.00	45,793,212	5.57%
5	Plant-5	328,337.00	303,805	7.47%
	<b>Grand Summary:</b>	<b>222,951,507.00</b>	<b>200,473,395</b>	<b>10.08%</b>

Zoho Creator has been a great tool for our employees, as it has helped them collaborate and communicate more effectively. With the ability to share data and track progress in real time, our team members can work together seamlessly, even when working remotely. Additionally, the platform's mobile capabilities allow our employees to stay connected and productive, no matter where they are.



— **Jay Horn, Logistics Manager, Cemblocks**

# Benefits and ROI

Cemblocks experienced many benefits by automating several processes with Zoho Creator such as inventory management, asset management, and order management. They were able to save significant amounts of time, allowing the company to focus on other important business activities.

The implementation of Zoho Creator allows employees to communicate more seamlessly and complete tasks quicker and more efficiently, resulting in increased productivity across the organization.

In addition to these benefits, the company achieved remarkable results in the areas of production, sales, and logistics.

-  **Sales and logistics:** The company saw 65% improvement in sales and logistics, with new leads becoming easier to manage and customer enquiry calls reduced due to innovative automated messaging.
-  **Production:** They also noted 30% efficiency in this area, with faults in machinery being handled, resulting in a quicker turnaround time. Actual production output also increased due to better resource management. Furthermore, critical spares for machinery are now tracked, reducing standing time during breakdowns.



One result that surprised us while using Zoho Creator was how much time and money we were able to save by streamlining our internal processes. By automating tasks and eliminating manual data entry, we were able to increase efficiency and reduce errors. This allowed us to focus on more high-value tasks and ultimately grow our business.

— **Jay Horn, Logistics Manager, Cemblocks**



# Looking forward

As Cemblocks looks towards the future, the company is excited to explore new ways to leverage Zoho Creator in order to streamline additional areas of the business. The company is exploring using Zoho Creator to develop custom applications for HR and payroll functions, which will help automate these tedious tasks and free up valuable resources. They will still focus on inventory management and asset tracking, as these are critical to manage supply chain and production processes.

The company is confident that Zoho Creator's flexibility and scalability will enable it to continue to adapt and meet changing business needs. By continuing to leverage the platform to automate manual tasks, the company can focus on its core business activities and drive growth and success in the years to come.



[W]e found Zoho Creator to be the best fit for our organization due to its flexibility and customizability. With Zoho Creator, we were able to create tailored applications to fit our unique business needs without having to rely on external developers. Additionally, Zoho Creator's user-friendly interface made it easy for our team to quickly adapt and start using the platform effectively.

— **Jay Horn, Logistics Manager, Cemblocks**





# About Us

At Zoho Creator, we've always worked towards a single purpose—empowering users to build functional apps with minimal coding expertise. We've helped **14,000+** brands create bespoke solutions and improve their end-to-end operations across a variety of industries. With over **16 years of experience** in catering to **B2B and B2C organizations**, we have the best tools in the trade to help you improve your business.

You can get started with Creator by visiting our [signup page](#). You can also check out our [prebuilt apps](#) to get started right away.





# Creator

[www.zoho.com/creator](http://www.zoho.com/creator)

# We'd love to talk! Reach out to us

[hello@zohocreator.com](mailto:hello@zohocreator.com)



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