



HINDUSTAN ZINC
Zinc & Silver of India

ZFB

ZINC FREIGHT BAZAAR

AI-ML & Meta Data

PAN INDIA



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OVERVIEW

Hindustan Zinc Limited is an Indian integrated mining and resources producer of zinc, lead, silver and cadmium. It is a subsidiary of Vedanta Limited.

One of the world's foremost natural resources conglomerates, with primary interests in aluminium, zinc-lead silver, oil & gas, iron ore, steel, copper, power, ferro alloys, nickel, semi-conductors

BACKGROUND

Client: Hindustan Zinc Limited

Industry: Metal Mining

Locations: Goa, Rajasthan, Karnataka, Odisha

Product: Transport Marketplace



PROBLEM STATEMENT

	Minimum Clear Visibility to Customers for choosing their transporter according to the preferable rates.
	Eliminating or reducing manual process of constant communication between customers & transporters.
	Minimum facility to customers for their finalization / spot bidding & POD (Proof of Delivery) reconciliations
	No Easy access to data related to order details by tracking for specific order No.
	No Real time tracking of the container through clear visibility of location details.
	Very less efficiency for managing contracted business.

INTERCONNECT MULTIPLE PLATFORMS



CONTEXT



In 2024 HZL wanted to develop an online portal which gives them clear visibility for their customers.

For their customers to choose their transportation by themselves & have the clear visibility of material allocation & status vehicle placement, spot bidding / freight rate finalization for customer & transporters.

The goal was to reduce the manual process and deliver seamless & efficiency to its customers.

The plan was to have a portal serving following purposes:

- Creating marketing planning for the customers
- And customers can do logistics planning based of freight rates & bidding.
- Marketplace for customers to discover freight, finalise transporter for load movement from HZL PLANT to Customer Locations/ delivery locations.
- Facility to customers for their freight payment and POD reconciliations.
- Give customers/transporter tracking & clear visibility of booking.



REQUIREMENTS

1.

Clear visibility for customers not visible.

2.

Customer functionalities –

One stop destination/ solution for all metal buying activities / Integrated with Vedanta Metal Bazar Portal by giving SSO (Single sign on) facility.

3.

Transporter selection –

With existing process from VMB to HZL freight Bazar, after DO details released such as quantity, delivery schedule, planned status etc. should be available in Freight Bazar Solution. / Transport booking based on Freight Rates

4.

SPOT Auction, Freight Contracts (Long / ShortTerm)



REQUIREMENTS

5.

Vehicle Placement & Integration with HZL ITMS(Transport System) based on Order Terms (EX -Works , CIP)

6.

Minimizing Manual interventions & errors in process of transport & material movement.

7.

Discover freights & marketplace for contracted business management.

8.

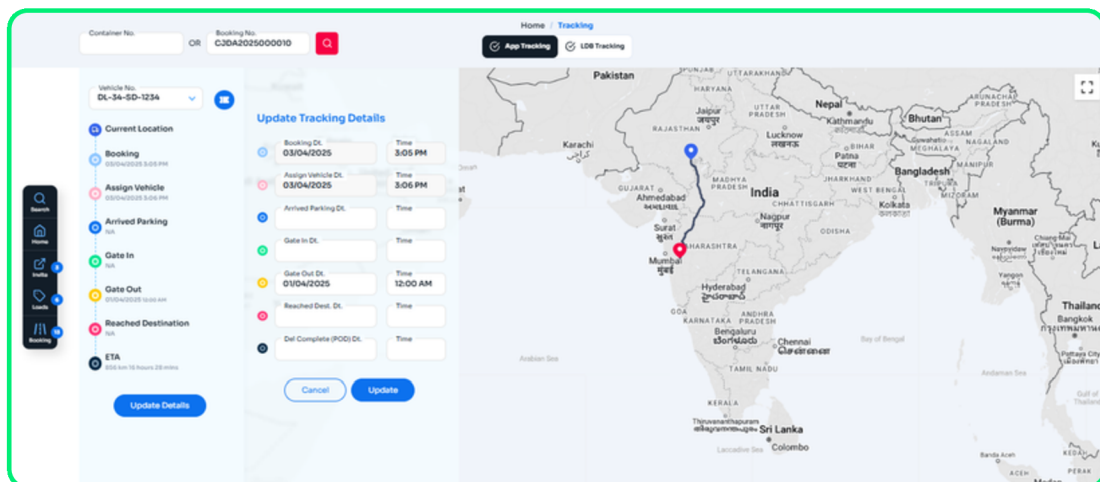
Real time Tracking of the containers -

Vehicle tracking, Integration with GPS providers, Alerts, Closure of the trips.

OUR SOLUTION

HZL - ZINC FREIGHT BAZAAR

1. Seamless Integration with systems for data transfer & management.
2. DO Planning – Material Planning – Logistics Planning.
3. Spot bidding – Rates posting loads / fleets.
4. Contracted business management / Update contract validity / Rates update / Route Tracking update.
5. Favorite customer / transporter onboarding on the platform.
6. Auto e-LR generation.
7. Auto Invoice generation.
8. E-POD reconciliation.
9. Track the Booking for specific containers.





APPROACH TOWARDS THE PROBLEM

1.

Making paperless booking & give real time updates & tracking to both customer & transporter.

2.

Seamless integration with systems like SAP, ITMS (transport management system), Fareye for staging details of booking.

3.

Provision to customer & transporter for uploading E-POD.

4.

Freight negotiations with various factors taken into consideration like rate per kg/ton/km.

APPROACH TOWARDS THE PROBLEM

5.

Contracted business management of customers & transporters for their saved routes.

6.

Material planning / Logistics planning for dispatch quantity planning with quantity for assigning . Overall DO/Sales order planning on one single platform.

7.

One stop for customers & transporters to negotiate do the spot bidding & track the booking.

8.

Search for new fleets from transporters. Limitless bidding options for customers.



RESULT & OUTCOMES

1. Processes DO'S / Sales order:

- Integration with other systems to map data in conmove platform for DO planning & DO creation with DO uploader.
- Planning of the DO for material planning with sales quantity visibility & dispatch quantity.

2. Logistics planning

- Customers can manage their assigned quantity.
- Customer select their transporter based on rates options by transporter .
- Spot bidding option to post their Bids to get the best freight rates.

3. Saved routes

Contracted business management through creating easy contracts for short term & long terms where rates can be updated according to km/per ton / per kg.

RESULT & OUTCOMES

4.Tracking

Real time tracking accessibility to customers & transporters for:

Stages As follows:

Booking date

Assign vehicle date

Arrived at parking

Gate In - Gate Out details

Reached destination

Delivery completion.

CONCLUSION

Conmove's **BOXMOVE** transformed HZL's freight management with digital automation, real-time tracking & seamless SAP/ITMS integration - boosting efficiency and transparency across their supply chain.

#paperlessports

**Wish to Digitize
your Logistics?**

Call us on!

+91 895 - 6249 - 573

Download
the app now!



 **conmove**