



ZIMRA - ELECTRONIC CARGO TRACKING SYSTEM

We Techno Brain help global enterprises, including Fortune 100 companies, by providing leading technology, consulting, and outsourcing solutions. Since our inception in 1997, we have built our strategy around innovation, technology, and teamwork.

Background

The transit trade is an important element in the economic movement. The transit trucks are considered as one of the most dangerous means of smuggling inside any country. So, truck transport monitoring has become inevitable for government organizations in any country.

The **Zimbabwe Revenue Authority (ZIMRA)**, is the body responsible for collecting taxes in Zimbabwe. The Zimbabwe Revenue Authority derives its mandate from the Revenue Authority Act, passed by the parliament of Zimbabwe in 2002 and other related legislation. ZIMRA is responsible for assessing, collecting and accounting for revenue through the Ministry of Finance as specified by the Revenue Authority Act. As part of its role in customs regulation, the authority monitors trade and all traffic through borders crossings, airports, and seaports. ZIMRA is tasked to reduce smuggling and illegal trade. The agency is responsible for overseeing motor vehicle trade and acts as a port authority, managing aspects of freight loading and unloading.

ZIMRA Before ECTS Implementation

- ZIMRA had a system where there was no any live tracking of the Cargo in place.
- So only transit data entry was available in the system.
- Which led to tampering of data, Delays in transit, thefts, Smuggling.
- These led to the losses in revenue Hence ZIMRA wanted to upgrade its tracking system to overcome the challenges that are being faced.

Techno Brain's unique and sophisticated real-time Electronic Cargo Tracking and Security System (ECTS) build on our Locate365 Platform helped ZIMRA in enhancing enforcement of cargo handling regulations and by improving tax collection by curbing incidents of dumping. Reduced transit monitoring operations costs.

Electronic Cargo Tracking System (ECTS) tracks and monitors the cargo in e-transit process.

Advantages of ECTS

- This enables user to track each and every cargo from the source to the destination border station with integrity.
- Alerts and alarms are sent to the system immediately once it occurs, like tempering of the devices, Geo-fence violation, entering and exiting a specific area with real time tracking.
- User can also generate different types of reports like Transit report, alarm report, current status etc. in the system.
- The system designed to support appropriate access controls and full operational audit trail, facilitate sharing of information with internal stakeholders and systems (ASYCUDA World)
- In the event of disputes, replay any event of the journey and be tamper proof. The system reports all the tampering events immediately after receiving appropriate signals from the Electronic Seals.



Launch Details

The Electronic Cargo Tracking System for ZIMRA by Techno Brain has been Launched officially on 15th of MAY 2017 by Cde. Minister Patrick Chinamasa.

The system was officially commissioned by the Minister of Finance and Economic Development, Cde. Minister Patrick Chinamasa. Speaking at the event, Minister Chinamasa said that “the Government remains committed to help ZIMRA to achieve its strategic goals and is aware of the need to make the Electronic Cargo Tracking System sustainable”



ECTS Implementation Effect



In her comment accompanying revenue figures for the third quarter of last year ZMIRA board chairperson Mrs. Willia Bonyongwe said the tender for the more comprehensive system was won by Techno Brain (T) Ltd of Tanzania that had already started installation.

The system was credited for helping ZIMRA detain four tankers that entered the country with 140,000 litres of diesel purportedly in transit to the Democratic Republic of Congo whose contents were emptied in Chitungwiza and replaced with water, prejudicing the country of \$55 650 early last month.

4 diesel tankers emptied, filled with water

February 1, 2017 | Headlines, Top Stories

Lloyd Gumbo Senior Reporter—

Zimbabwe Revenue Authority (Zimra) has intercepted four tankers carrying over 140 000 litres of diesel that was purportedly in transit to the Democratic Republic of Congo but illegally offloaded in Chitungwiza and replaced with an equal quantity of water.

The smugglers prejudiced Zimra of \$55 650 in excise duty.

The tankers then proceeded to Chirundu Border Post where they were intercepted after the revenue collector, through its electronic cargo tracking system, picked a suspicious detour.

Fears abound that such fraud had been going on for some time.

Zimra board secretary and director for legal and corporate services Ms Florence Jambwa confirmed that the four trucks had been intercepted and impounded.

“I can confirm that on 30 January 2017, the electronic cargo tracking system enabled Zimra to identify, through the geo-fencing alarm system, use of unauthorised transit route by tankers carrying diesel purportedly destined for the Democratic Republic of Congo,” said Ms Jambwa in e-mailed responses to The Herald.

“The Zimra Reaction Team promptly attended to the case and the tankers were tracked and, upon arrival at Chirundu One Stop Border Post, verifications revealed that the tankers were carrying water instead of diesel as per the Customs clearance documents.