

Enhancing Cargo and Shipment Security with E-lock

INTRODUCTION

Cargo and shipment management is a complex process that involves multiple stages, including loading, transportation, unloading, and delivery. Ensuring the security of the cargo is a critical concern for businesses involved in the transportation and logistics industry. E-lock is an innovative solution that helps to address these concerns by providing a secure and efficient method of cargo management.

CHALLENGES

The primary challenge in cargo management was the security of the cargo during transportation. Cargo theft was a significant concern in the transportation industry, and it resulted in significant financial losses for businesses.

Ensuring the security of the cargo required constant monitoring, which was time-consuming and costly. Another challenge was the lack of transparency in the cargo management process.

Traditional cargo management methods relied on manual documentation, which was prone to errors and delays. This lack of transparency led to delays in the delivery of cargo, which impacted the customer experience.



SOLUTIONS

Our E-lock software provided a solution to the challenges faced in cargo and shipment transportation.

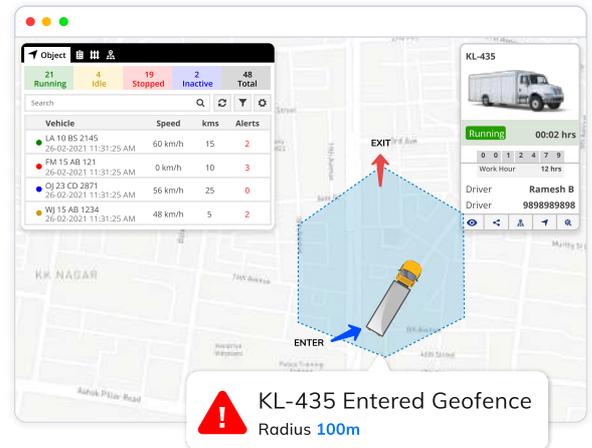
The software provided a secure and efficient method of cargo management by allowing authorized personnel to lock and unlock the cargo remotely.

The software is integrated with GPS tracking systems, which provided real-time location tracking of the cargo.

Define virtual boundaries or restricted zones using geofencing. Receive instant notifications when a vehicle or container enters or exits defined boundaries. Prevent unauthorized access and enable quick response and recovery in case of security incidents.

The software also provided a digital documentation system, which helps to increase transparency in the cargo management process.

Various reports are provided to analyze data and identify patterns, trends, and areas for improving cargo security protocols. Gain valuable insights to enhance overall security measures and prevent future incidents.



Elock Status					
Object	Last Data Received Time	Current Location	Battery Status	Lock Status	Map
GJ 15 AA 9022	19-04-2021 06:05 PM	Giraffe Hill Drive	🟢	🔒	📍
MH 02 RR 5689	22-04-2021 09:10 PM	Kénitra, Morocco (NW)	🟡	🔒	📍
KA 10 PO 3482	01-05-2021 10:30 AM	Cerullo Road	🟢	🔒	📍
GJ 28 HH 1122	09-05-2021 03:10 PM	Kénitra, Morocco (SW)	🔴	🔒	📍
DL 12 DD 5553	24-05-2021 04:08 PM	Ritter Street	🟢	🔒	📍
GA 01 LL 2020	30-07-2021 09:38 AM	Libby Street	🟢	🔒	📍
KL 15 CN 2002	21-05-2021 10:02 AM	Terminus Du 7	🟢	🔒	📍
DL 06 MN 8021	24-05-2021 08:55 PM	99 Rue N 2	🔴	🔒	📍
GJ 15 AB 1234	26-05-2021 10:07 PM	18 Rue MBarak	🔴	🔒	📍

Violation summary						
Object	Violations	Tamper	Wrong Password Attempt	Unauthorized RFID Attempt	Open back Cap Attempt	Steel pipe Cut Attempt
GJ 15 AA 9022	8	3	1	2	2	0
MH 02 RR 5689	5	1	0	3	1	0
KA 10 PO 3482	0	0	0	0	0	0
GJ 28 HH 1122	2	0	1	0	1	0
DL 12 DD 5553	1	0	1	0	0	0
GA 01 LL 2020	6	2	1	1	1	1
KL 15 CN 2002	1	0	0	0	0	1
DL 06 MN 8021	4	1	0	1	1	1
GJ 15 AB 1234	5	1	1	1	1	1
GJ 15 CN 6800	2	0	2	0	0	0

RESULTS

Enhanced security – Real-time alerts notify of any tampering attempts or security breaches. Ensures the safety and integrity of cargo throughout the supply chain.

Improved Operational Efficiency – Streamline cargo security processes and reduce manual efforts. Enhance tracking capabilities and minimize the risk of cargo loss or damage.



RELATED USE CASES



Enhancing Security in the Oil and Gas Industry with E-Lock



Revolutionizing Cash Transport with E-Lock