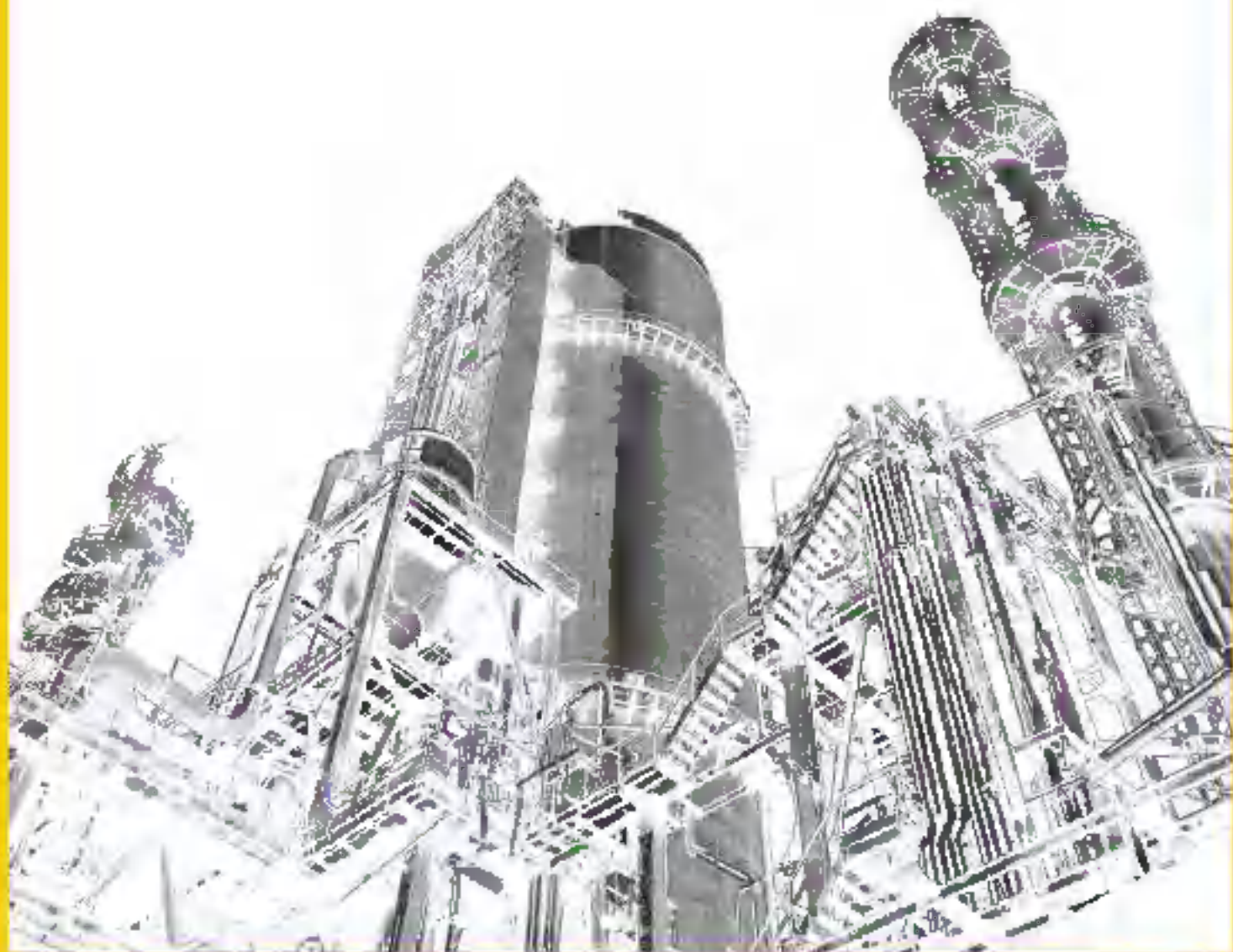


PROAID

DIGITALLY TRANSFORMING CONVEYOR OPERATIONS



PROBLEM

The Conveyor guarding is installed to safe guard the man power from running conveyor. However there was no way to ensure the intactness of guard through out the length.



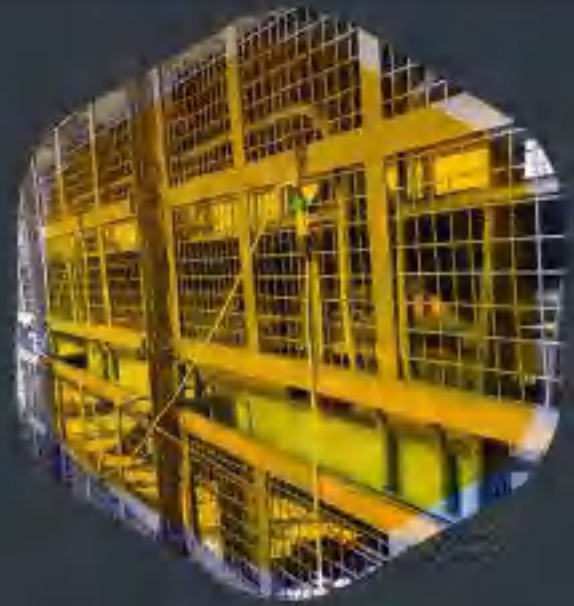
SOLUTION

Digitalization of Conveyor guard monitoring is done wherein any breach in conveyor guard will not only trip the conveyor but also send push sms/email to concerned persons



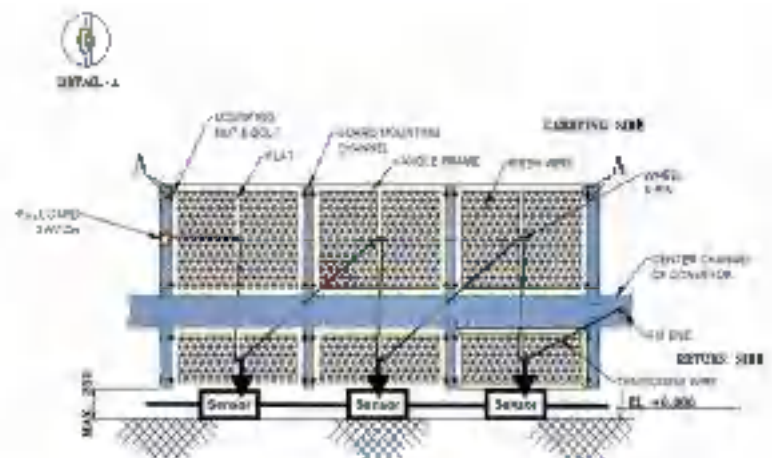
iLOTO

Digitally Transforming Conveyor Operations



i Loto Design Interlocking

Connector and Guard Sensing Cable will run the entire conveyor length. The cable will be designed for use in outdoor environments. Each guard row (be it left hand side or Right hand side.) will be inter-connected through sensing cable in zig zag pattern.



Push Notification

In case of breach email/sms notification will be sent to desired recipients



iLOTO BENEFITS

- 1 Safety of Conveyor**
- 2 Reduced Downtime Of Conveyor**
- 3 Preventive Maintenance Planning**
- 4 Increased Production**

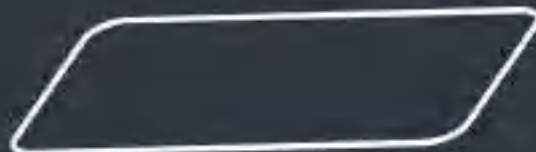
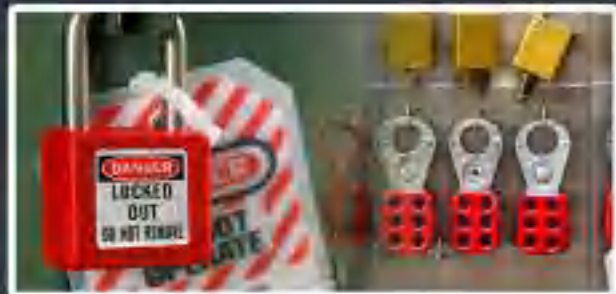
ILOTO - WORKING INTERLOCKING GRID

As displayed in images in below, interlocking grid is laid in Zig Zag format at conveyors. When conveyor guard is removed by opening grid connector, it sends signal to control panel for further processing.





Smart Loto System



LACK OF AUDIT DOCUMENTS



PROBLEM

Current loto standard and process lacks auditing of lock tag in and out process.

i-LOCK Smart Loto System Solution

i-LOCK is the world's most advanced lockout procedures management system built to improve safety and productivity.





LACK OF COMMUNICATION



**Smart
Loto
System**



Isolators, permit issuer and intended recipients are unaware of current status of isolation



SMART SAFETY BADGE

Ensuring Safety Of Employees

SSB Technology

What You Need to Know

- SSB Defined
- Problems Defined
- Why SSB Is Important
- Innovative Technology
- SSB Models
- Safety First



Why SSB Is Important

Fall Detection

SSB Immediately identifies if man is down, sends

((SOS))



Proximity Detection

SSB prevents employees to come closer near defined machines / vehicles



((SOS))

Employees can get immediately help by pressing SOS smart button





QoozmoR

A QR Based Mechanism of Managing Regulatory Compliance



About QoozmoR

QoozmoR is innovative technological software which provides 360 degree view of assets, employees, fire extinguisher for regulatory compliance

.



Problems

Manual Record Keeping of Assets

Lacks Support of Dynamic Fields

No Notitfcation/Reminder Mechanism

QoozmoR

QR Based Technology

Digitised Record Keeping pf Assets

Notification / Alert Mechanism



ASSET IDENTIFICATION

QoozmoR provides addition of asset master data, and its QR generation



DYNAMIC FIELDS FOR RECORD KEEPING

Innovative tech of QoozmoR allows to define any number of dynamic fields for asset record keeping



NOTIFICATION / ALERT

Notification / alerts can be defined for asset important reminders.

QoozmoR

Assets Monitoring



EMPLOYEE IDENTIFICATION

QoozmoR provides addition of employee master data, and its QR generation



DYNAMIC FIELDS FOR RECORD KEEPING

Innovative tech of QoozmoR allows to define any number of dynamic fields for employee record keeping



NOTIFICATION / ALERT

Notification / alerts can be defined for employee important reminders.

QoozmoR

Employee Records



FIRE EXTINGUISHER IDENTIFICATION

QoozmoR provides addition of extinguisher master data, and its QR generation



QoozmoR

Fire Extinguisher



DYNAMIC FIELDS FOR RECORD KEEPING

Innovative tech of QoozmoR allows to define any number of dynamic fields for extinguisher record keeping



NOTIFICATION / ALERT / LOCATION

Notification / alerts can be defined for extinguisher important reminders. In case of emergency, its location can be tracked via app.



The benefits of QoozmoR



HARDWARE INDEPENDENT

QoozmoR requires no extra hardware to be installed ,
only QR codes needs to be atatched to assets.



INFORMATION AT FINGERTIPS

QoozmoR digitises information, and provides reports at
fingertips.



PREVENTIVE REMINDERS

QoozmoR engine triggers defined alerts, reminders so
that any critical activity is never missed



QoozmoR

Web Dashboard

The screenshot shows the QoozmoR web dashboard interface. On the left is a dark sidebar with navigation options: Vedanta, Dashboard, QoozmoR, Masters, Reports, Setting, and Log Out. The main content area is titled 'Dashboard' and features four summary cards: 'Machines' (242), 'Employees' (0), 'Fire Extinguisher' (0), and 'Alerts' (1). Below these is a 'Machines Report' section containing a map of India with a location pin and a 'Machine Latest Reminders' table.

S.No	Name	Due Date	Status
1	U42 Bose/QR-994	18/06/2022	Expired



QoozmoR

App Dashboard



QoozmoR

SITE PHOTOS

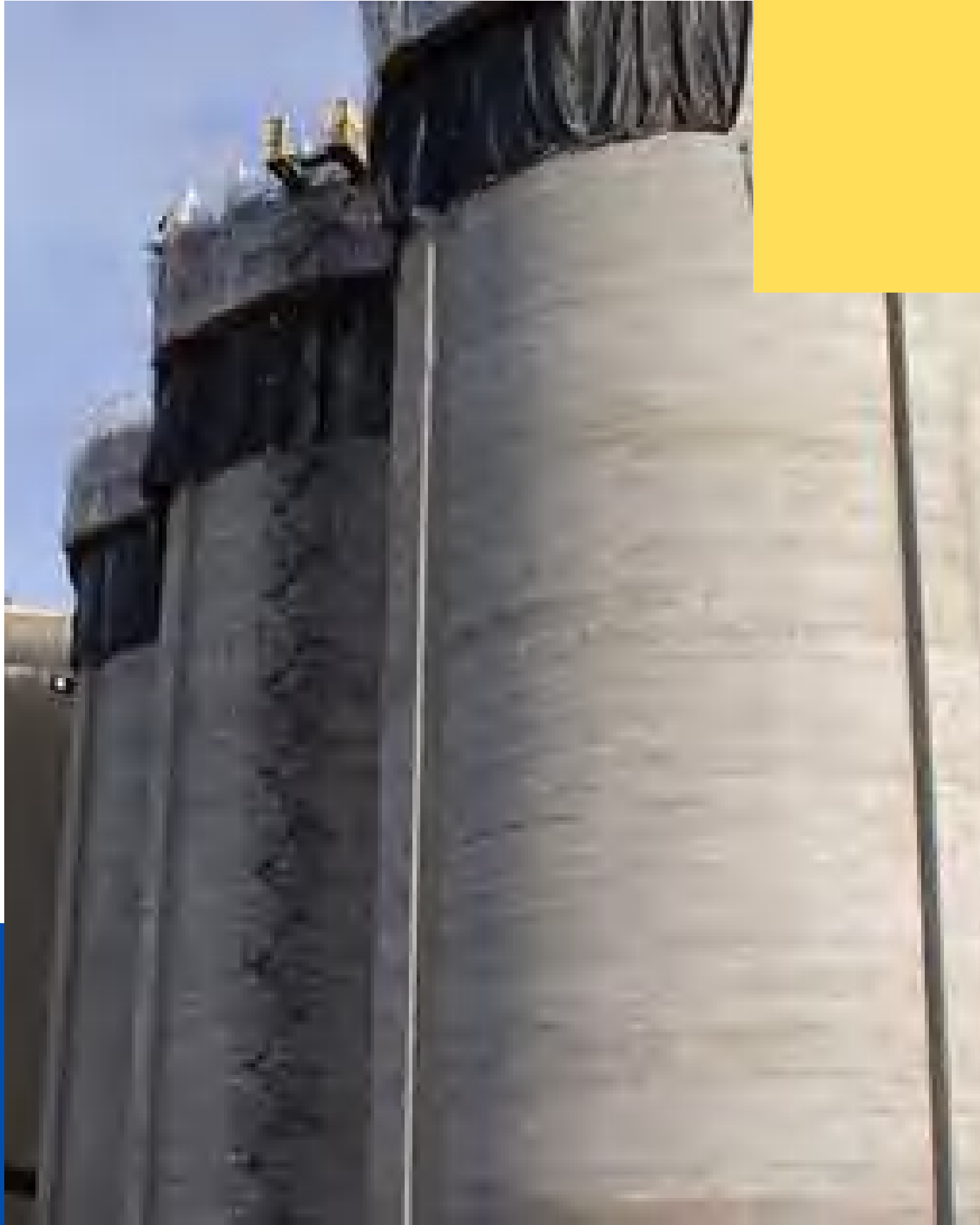




GOLDEN EYE
SILO PARKING
ASSISTANT



SILO PARKING ASSISTANT



GOLDEN EYE

Silo plays important role in any power plant. However safety of men working at silo for vehicle loading is critical. It is completely done manually and its hazardous.

Drishti brings you AI powered assistant for vehicle parking which removes any manual intervention hence safety of men.



GOLDEN EYE - AI POWERED

1. GOLDEN EYE is cutting edge innovative technology which assists truck drivers to mount vehicles easily under a silo lid.
2. It uses advanced AI and camera algorithms to project silo lid position on screen.
3. Drivers can easily view the position of the bulker top along with Drishti Assistant Markings.





GOLDEN EYE ADVANTAGE



AI POWERED

AI powered helps easy guidance for driver parking under silo.



SAFETY

No men is required for parking vehicle under silo arm.



TIME SAVING

Automatic method ensures hassle free parking results in time saving.





BEFORE



AFTER

GOLDEN EYE - SCHEMA



Operator Cabin



Parking Area

Silo 1 Silo 2 Silo 3

BREAKER LID PROTECTION



BREAKERS

A circuit breaker is an electrical safety device designed to protect an electrical circuit from damage caused by overcurrent.



PROBLEM

Back lid of control panel of breakers are meant to protect direct physical contact. Unauthorised access to back door of control panel of breakers leads to accidents.



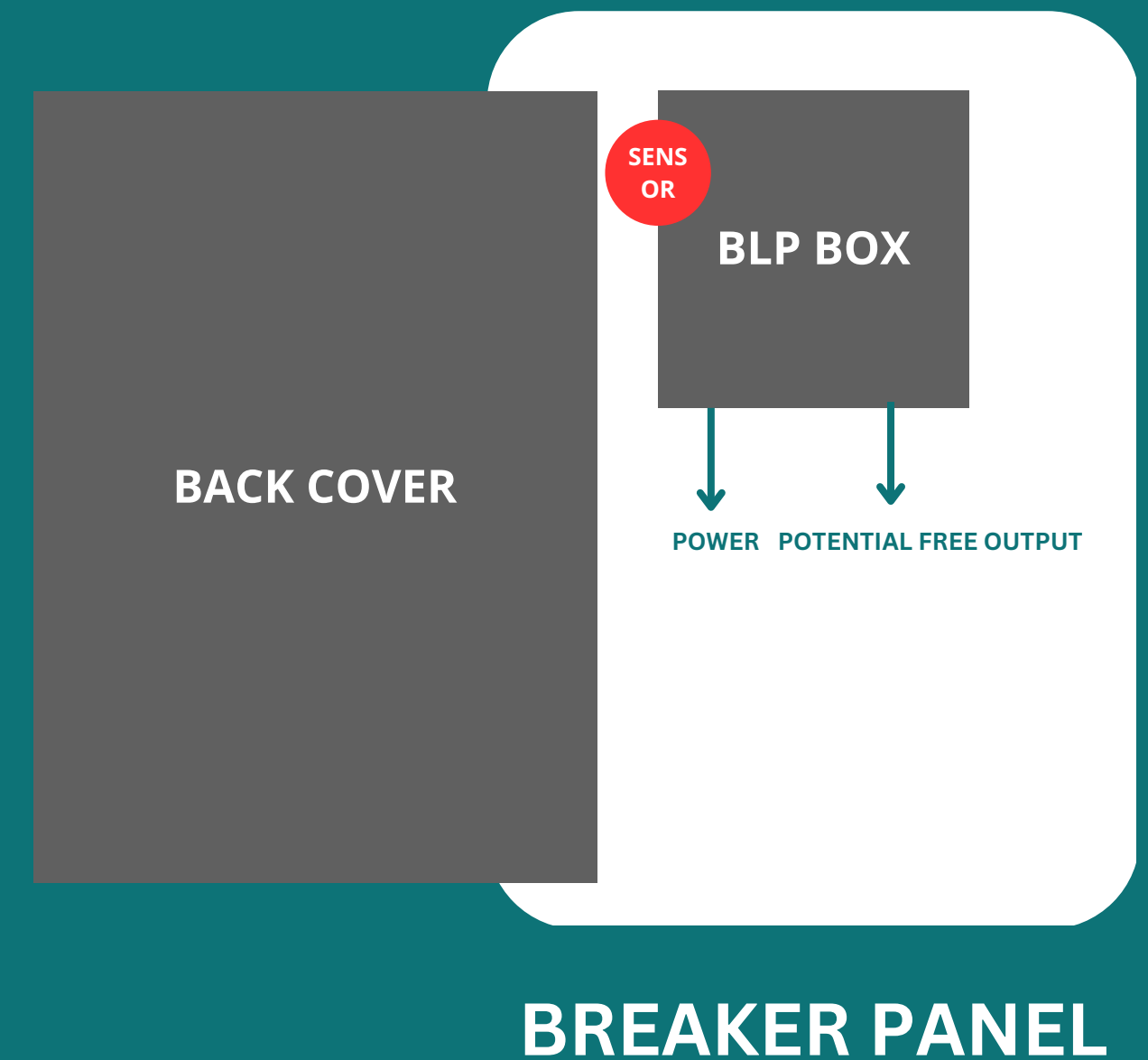
SOLUTION

BLP - Its innovative technology protects authorised access to back lid of control panel. In case of any breach , if lid is opened breaker supply is interrupted.



WORKING PRINCIPLE

1. Sensor is Mounted at back of Door Lid
2. When ever back door is opened, sensor will trigger event to relay
3. Relay will send potential free contact signal to trip Breaker.



BLP



Innovative

BLP is innovative and simple technology.



Unauthorised Access

BLP prevents any accident in case of authorised access.

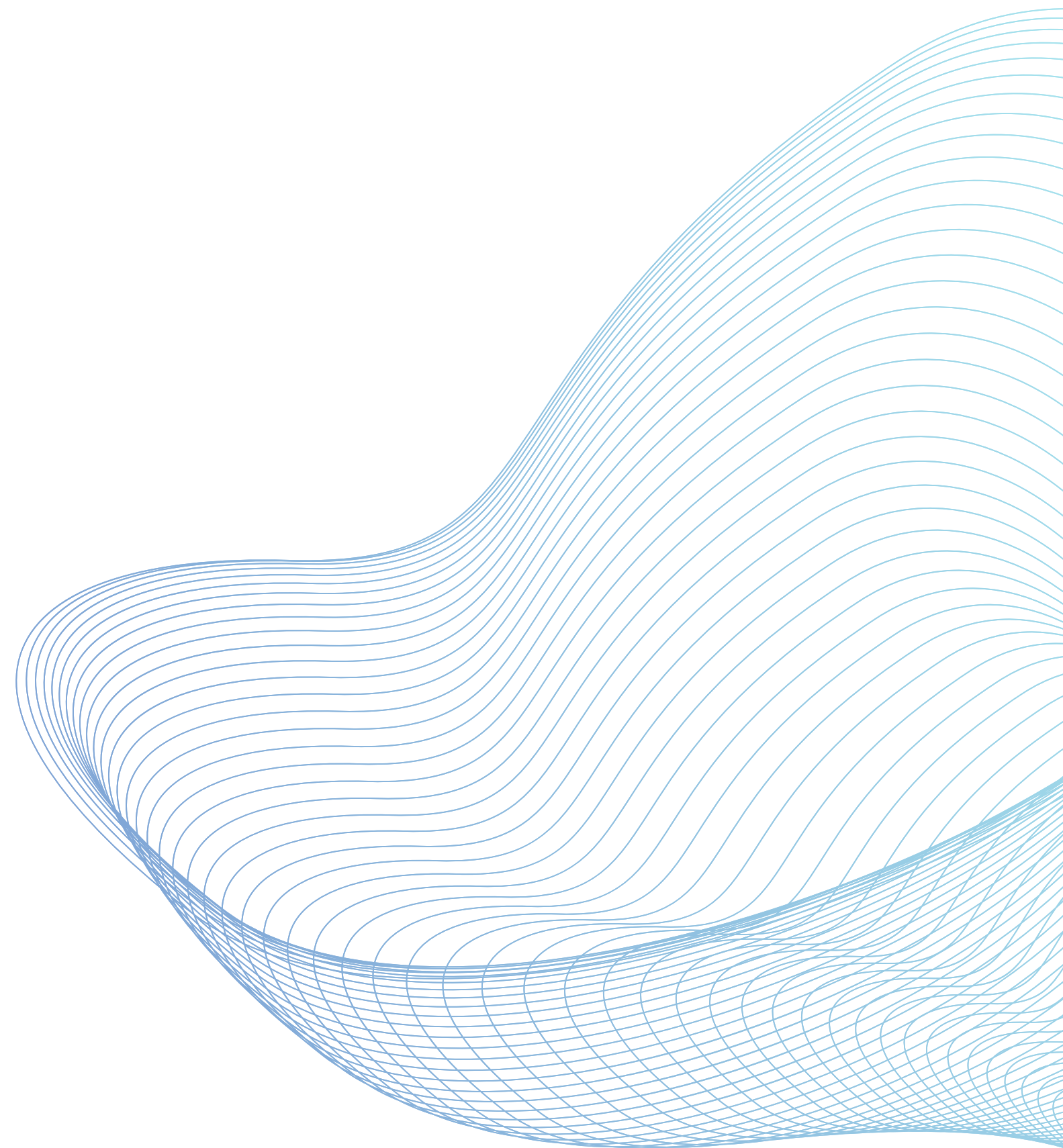


Notifications

BLIP with IOT is capable to send real time alerts.



CHUTE LINER PROTECTOR





CLP

CLP is innovative technology to prevent unplanned maintenance of industrial chute because of liner corrosion.



TECHNOLOGY



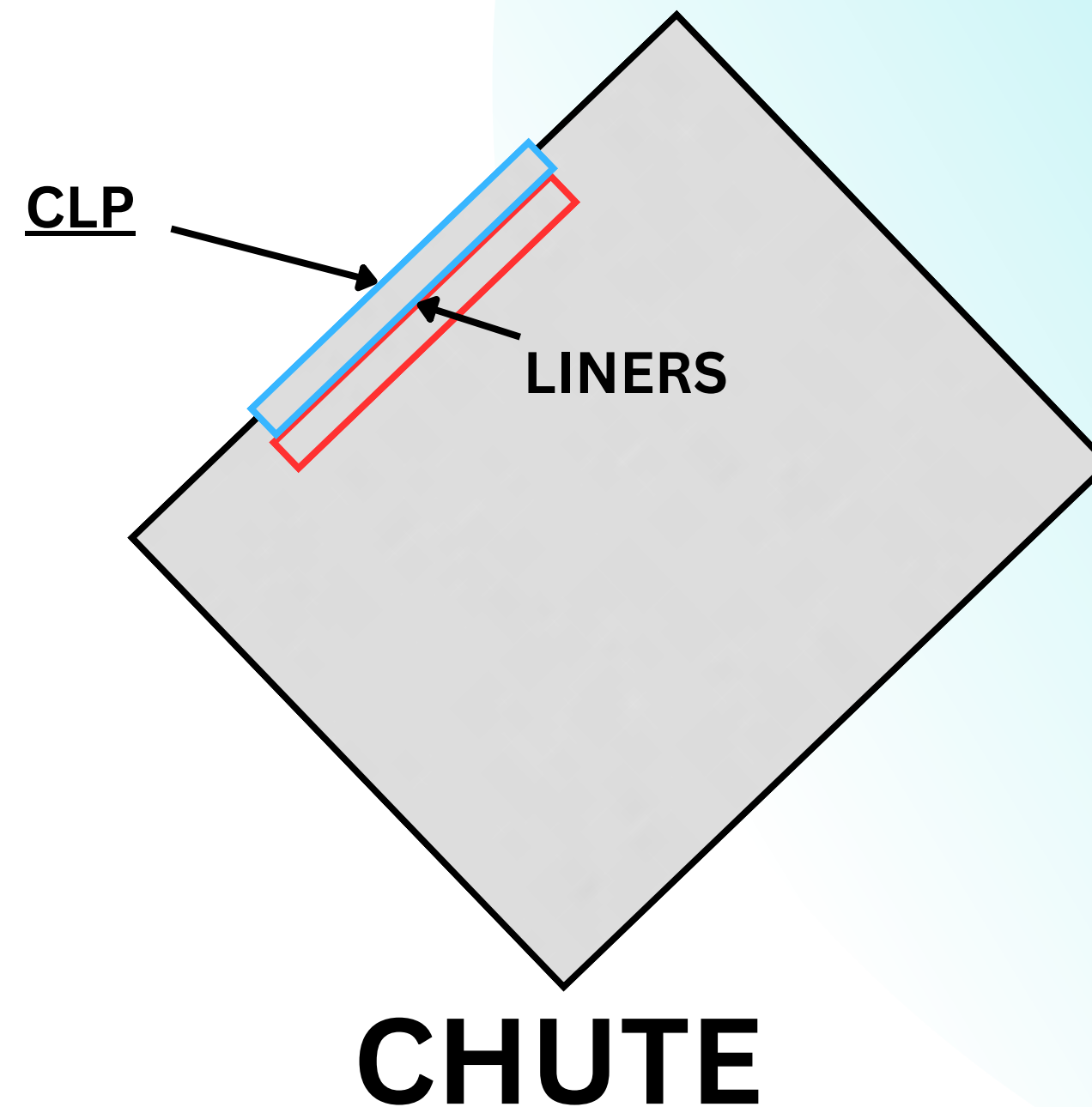
Innovative technology behind CLP is force and vibration. It captures force impacting on liners and converts into voltage. Voltage is transmitted with IOT controller to AI engine. Any deviations from normal flow is alerts via notifications.





INSTALLATION SCHEMA

CLP can be installed as below :-





CLP ADVANTAGES

1. Realtime Liner Health Status
2. Alerts in case of liner corrosion
3. Chute Jamming Alert





PROAID

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