

# Use of paper-bound log-book leads to the following pain points.



## Low Data Accuracy

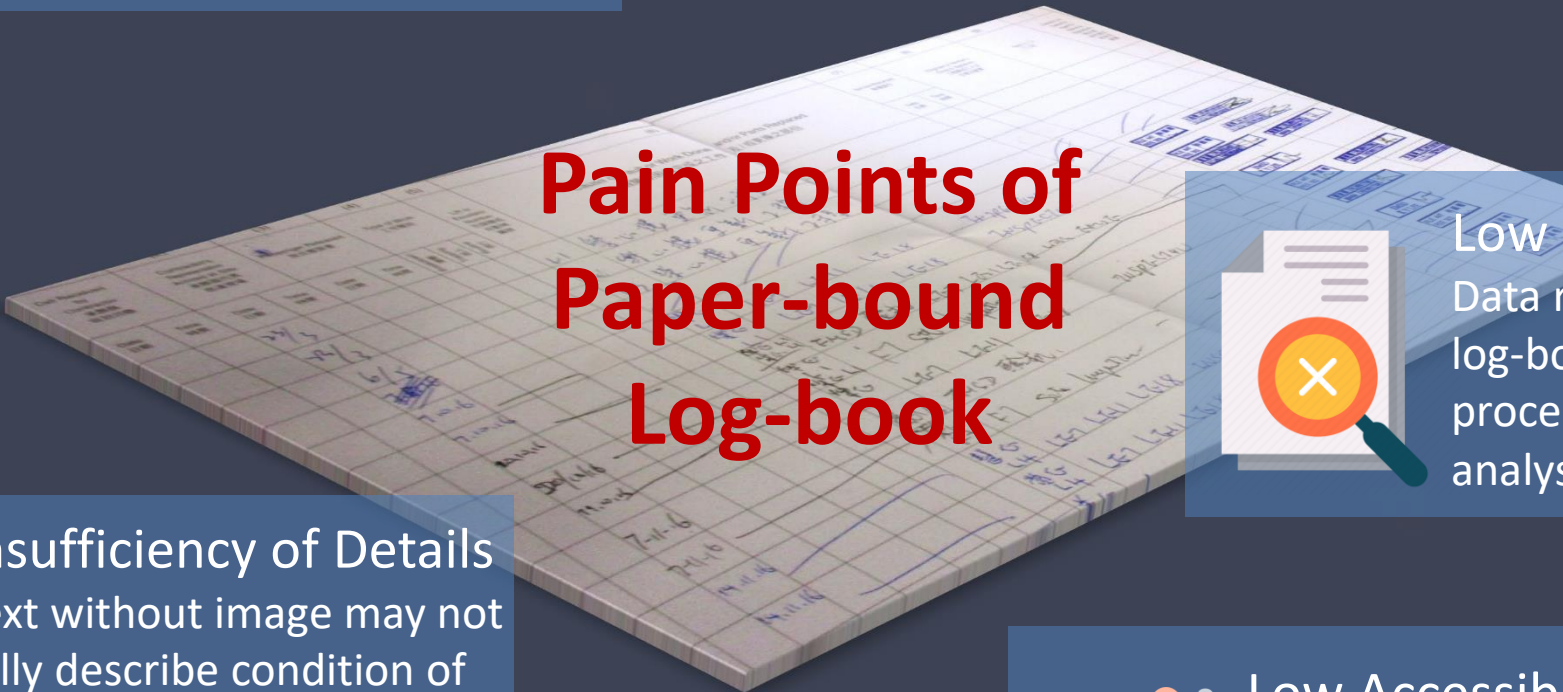
Hand-written amendments, deletions and illegible handwriting affects accuracy of the record.



## Risk of Loss/ Damage

Paper-bound log-books are subject to risk of loss or damage.

# Pain Points of Paper-bound Log-book



## Low Data Usability

Data recorded in paper-bound log-books needs further processing for the purpose of analysis.



## Insufficiency of Details

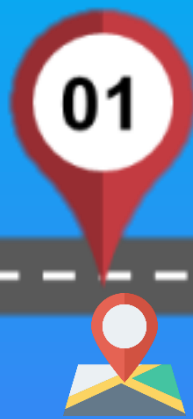
Text without image may not fully describe condition of equipment.



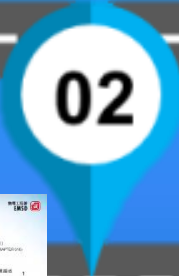
## Low Accessibility

Log-books scattered over different job sites are not readily accessible by various stakeholders.

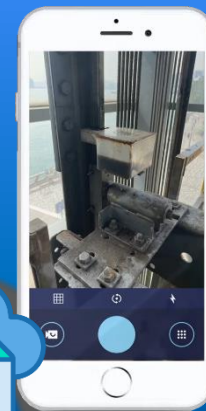
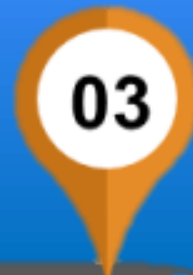
# Features of Digital Log-books System



**GPS for Location Verification**  
GPS is provided to verify if the worker has physically arrived at the work site.



**Real-time Works Monitoring**  
QR code on the use permit of the lift/escalator is scanned by worker to mark the commencement of works.



**Comprehensive Works Report**  
Each works report is generated under a standard template attached with images captured on-site.



**Blockchain-based Cloud Storage**  
Works reports are uploaded to the blockchain-based cloud for secure storage and real-time data sharing.

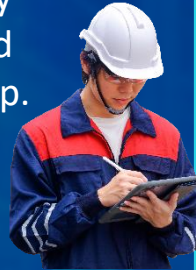


**Data Analytics**  
Field data in works reports is used for trend analysis on equipment availability, fault, and incident risk.



# Benefits of Digital Log-books System

## Increased Data Accuracy



Registered Workers could systematically submit comprehensive work reports and images captured on-site via a mobile app.

## Benefits to Stakeholders



## Improved Facility Management



Real-time maintenance data and smart notifications help Responsible Persons (i.e. owners/ property management companies) to analyze condition of lifts/ escalators and facilitate compliance with regulatory requirements.

## Enhanced Work Monitoring and Scheduling



Registered Contractors could monitor site work on real-time basis and collect maintenance data to optimize work scheduling and maintenance strategies.

## Strengthened Record Keeping and Policy Making



- Adoption of blockchain technology supports secure and reliable storage of log-book records.
- Data analytics of log-book records supports EMSD to formulate safety measures, guidelines and policies for improving the safety level and healthy development of the trade.