

# Visual Data Solutions

Pairing Visual Evident with Data Proof

# What is Visual Data Solutions (VDS)

VDS is an integration of useful information into CCTV Visual. This combination of data information with video as a proof make daily production process more effective on identify potential loss or problems.

## Archive Visual & Data

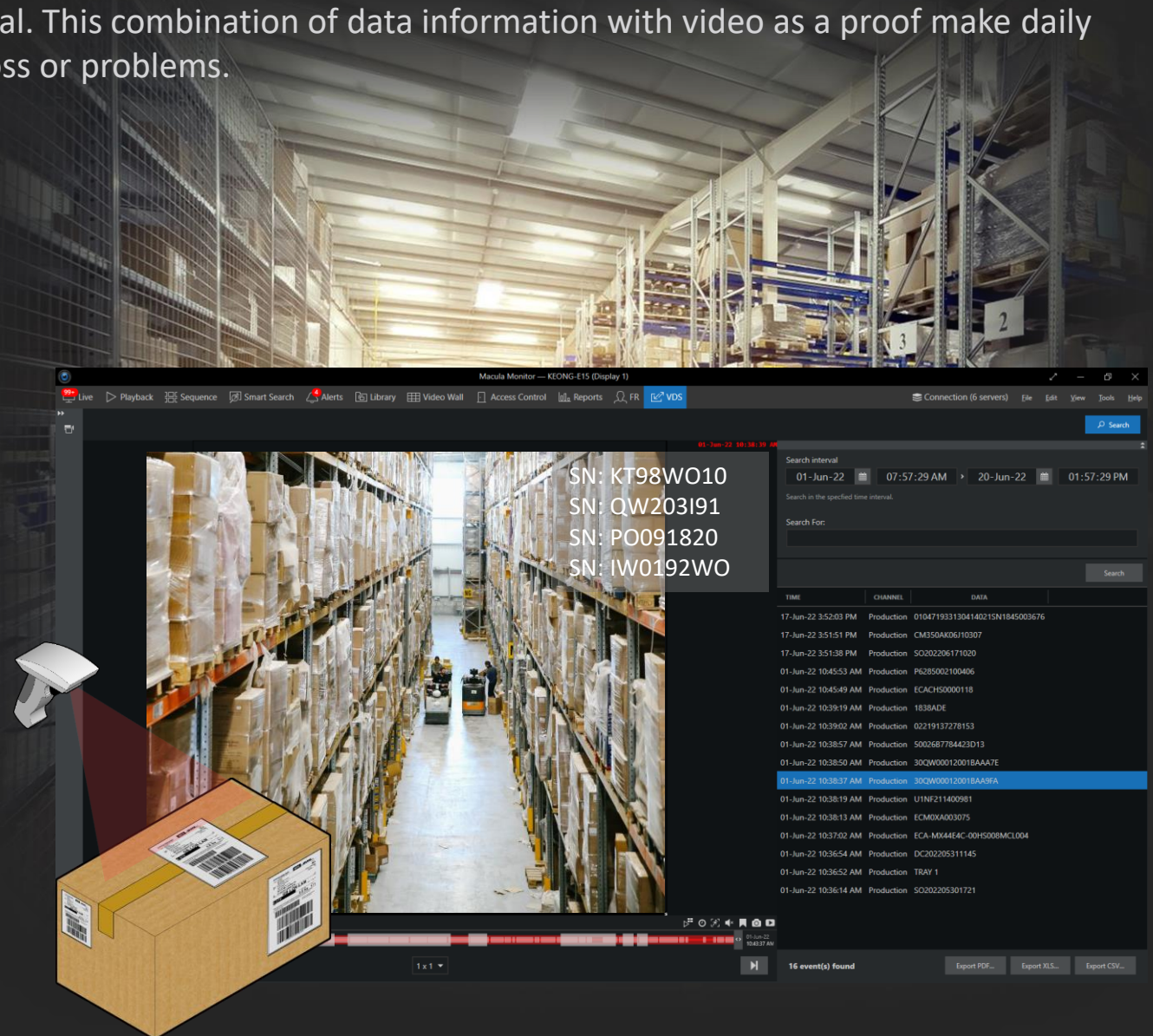
by combining both visual and data, user can proof many concrete evidence to reduce losses yet achieve customer satisfaction

## Database

With SQL database structure, virtually you can integrate any set of data you want and pair with visual from any cameras.

## Data Over Network

With GSF VDS Collector Small-APP client and Collector Server, you can transmit/receive any data over the TCP/IP with SSL secured connection.



The screenshot displays the VDS software interface. The main window shows a live video feed of a warehouse aisle with high shelving units. Overlaid on the video is a list of data points:

- SN: KT98WO10
- SN: QW203191
- SN: PO091820
- SN: IW0192WO

Below the video feed, there is a search bar and a table of search results. The table has columns for TIME, CHANNEL, and DATA. The search results show a list of production events with their corresponding timestamps and data values.

TIME	CHANNEL	DATA
17-Jun-22 3:52:03 PM	Production	0104719331304140215N1845003676
17-Jun-22 3:51:51 PM	Production	CM350AK0610307
17-Jun-22 3:51:38 PM	Production	SO202206171020
01-Jun-22 10:45:53 AM	Production	PE285002100406
01-Jun-22 10:45:49 AM	Production	ECACH50000118
01-Jun-22 10:39:19 AM	Production	1838ADE
01-Jun-22 10:39:02 AM	Production	02219137278153
01-Jun-22 10:38:57 AM	Production	5002687784423D13
01-Jun-22 10:38:50 AM	Production	30QW00012001BAA7E
01-Jun-22 10:38:37 AM	Production	30QW00012001BAA9FA
01-Jun-22 10:38:19 AM	Production	U1NF211400981
01-Jun-22 10:38:13 AM	Production	ECM0XA003075
01-Jun-22 10:37:02 AM	Production	ECA-MX44EAC-00H5008MCL004
01-Jun-22 10:36:54 AM	Production	DC202205311145
01-Jun-22 10:36:52 AM	Production	TRAY 1
01-Jun-22 10:36:14 AM	Production	SO202205301721

The interface also includes a search bar, a search interval selector (01-Jun-22 07:57:29 AM to 20-Jun-22 01:57:29 PM), and a search button. At the bottom, there is a status bar showing '16 event(s) found' and export options (Export PDF, Export XLS, Export CSV).

# Archive Data Combining Video Footage

Store and Search Favorable Evidence Easily

## Evidence Storage and Retrieval

Evidence can be store for months to years, depend on design. Easily Retrieval of evidence, by simply key in the data like product Bar Code, invoice no, serial no, person name, license plate, sensor values and etc.

## During Live Video Recording

Live data can be feed into live display. Data overlayed on live video. This is good for real time operation monitoring.

## Exported Video

For evidence to be shown as a proof, data can be integrated onscreen display as one single video files. This make video sharing easier.

### EXPORTED FILES



# Order Fulfilment Process

Scrutiny . Recorded and data archive . Remarkable improvement

## Store and Archive the combination of Data and Visual in Database

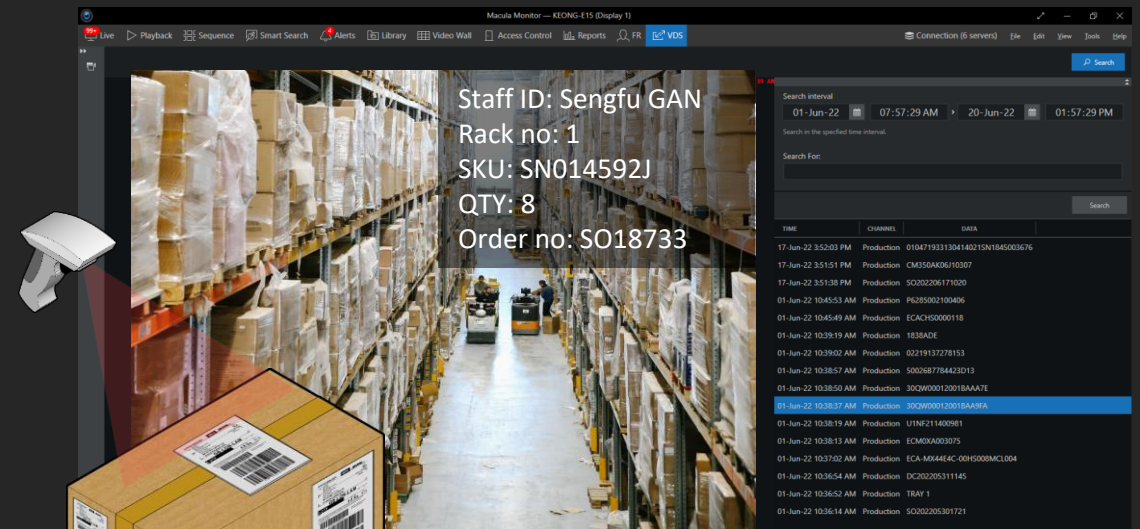
VDS optimize fulfilment process. The data display on viewport such as counter number, staff identity, stock calculation, SKU code scanned, barcode and etc. Every data is tailored to company requirement. These data display on-screen is combining with video footage and archive in database to create favourable evidence.

## Makes Evidence Search Easily and Time Saving

Warehouse operator can track back any data together with video footage easily, by searching specific name such as SKU code, staff identity, counter number or etc.

## Enhance Traceability

The data can be archive for a months, or more than a year according company requirement.

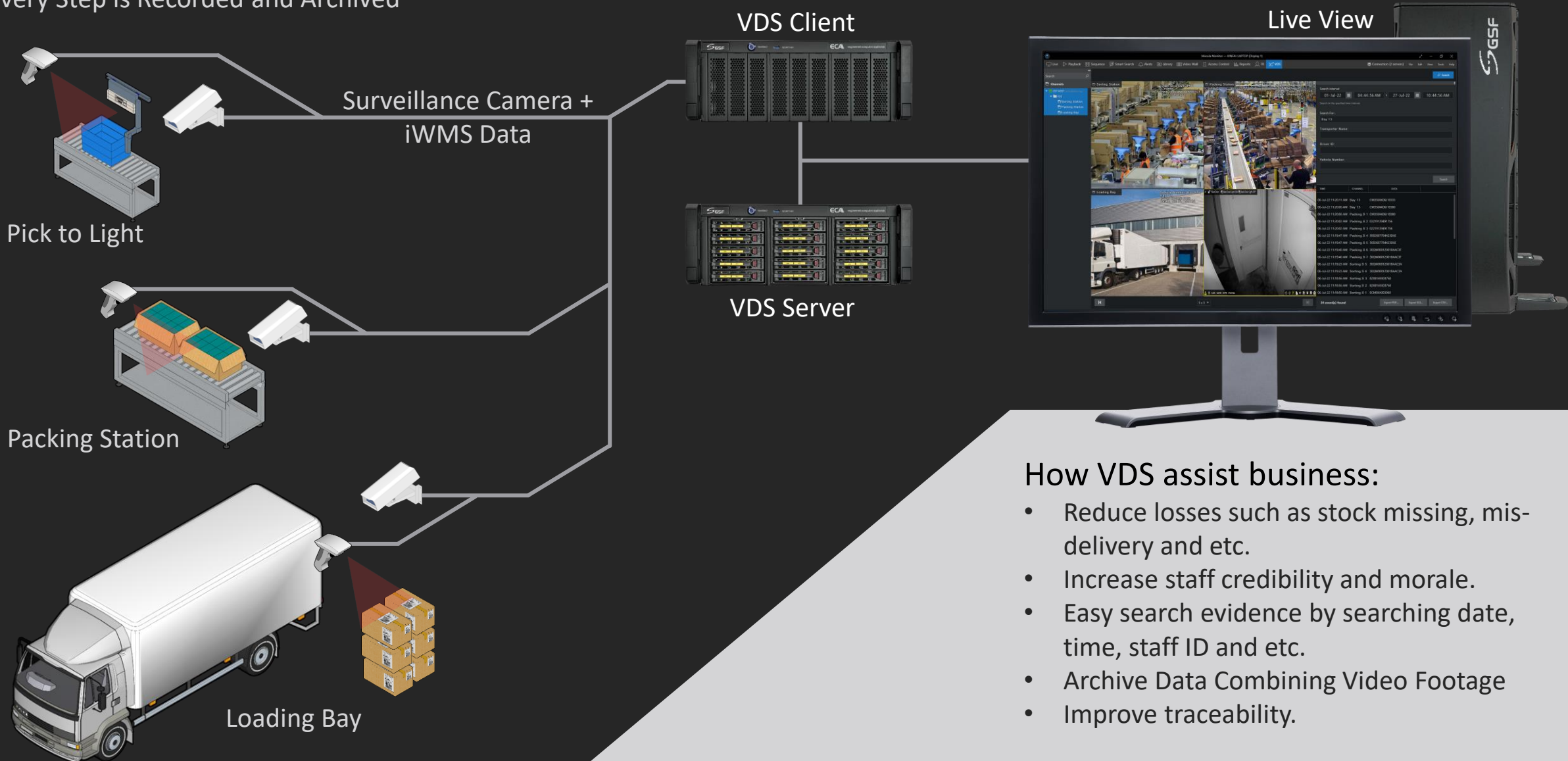


“ VDS System is tailored for business requirement

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# Warehouse Sorting

Every Step is Recorded and Archived



## How VDS assist business:

- Reduce losses such as stock missing, mis-delivery and etc.
- Increase staff credibility and morale.
- Easy search evidence by searching date, time, staff ID and etc.
- Archive Data Combining Video Footage
- Improve traceability.

# Weighbridge System

Simplifying and archiving the entire process of truck entering and leaving the site

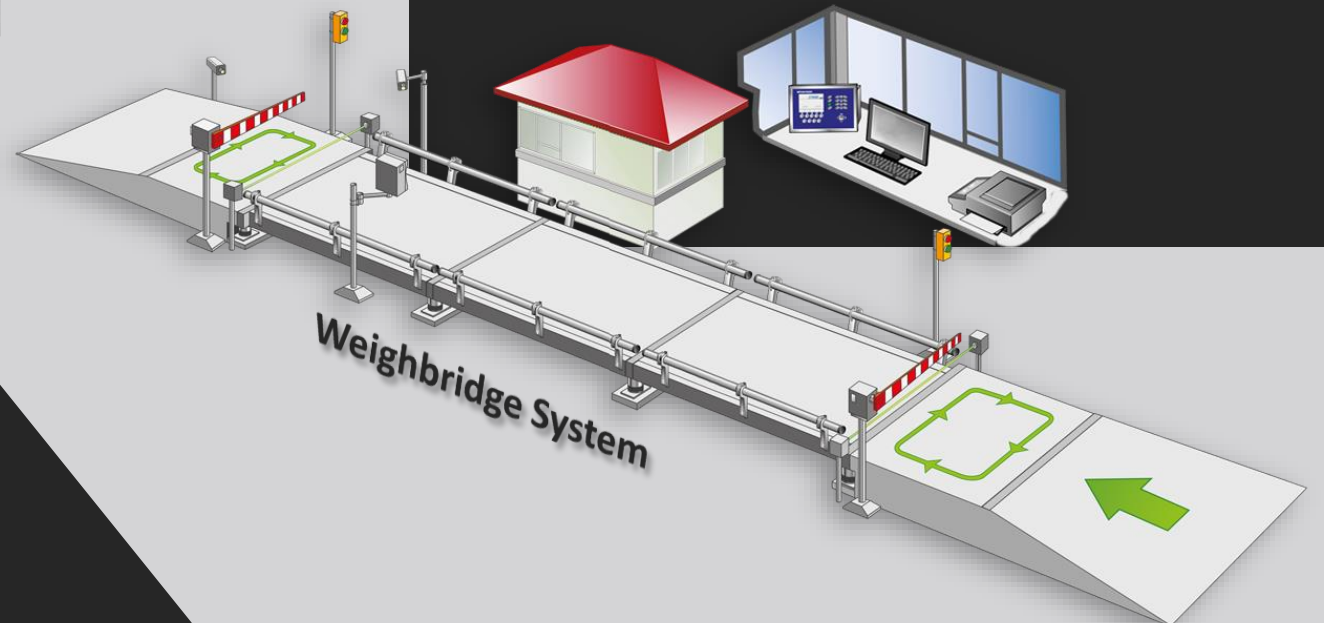


## Weighbridge System Data Collect:

Weight data direct from scale system  
Licence Plate Number  
Driver Information  
Video Camera/ CCTV  
Vehicle Present Detection  
Etc...

## VDS benefits:

- Digitally records truck and driver information, together with weighbridge data direct from system.
- Visually recorded physical truck condition
- Easily search back data log.



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