

# TEKNOPALAS

Solutions For a Better life

## IW RFID

INTELLI WEIGHBRIDGE  
AUTOMATION

The quick system that  
eliminates operator  
dependency!



Thanks to Automation  
The minimum error, maximum efficiency!

[www.teknopalas.com.tr](http://www.teknopalas.com.tr)



**Flexible** Web-based reporting  
**POWERFUL** **Stable** Integrated Consistency  
**RFID** security Multiple Readings  
**Check** Distance  
**Camera**  
**AUTOMATION**

## MONEY & TIME- SAVING SOFTWARE SOLUTION

In the scope of the automation, weighing, identification, tracking and management reporting processes of all trucks (excavation vehicles, garbage trucks, etc.) can be achieved automatically. Thanks to RFID tags which will be affixed to windows of freight vehicles, automatic identification process will be 100% consistent and it will eliminate the operator dependency.





# INVESTMENT **TURN OVER**

Each company seeks a return on an investment being made in capital spending. Our solutions provide cost savings to our customers in many ways. How savings we provide to our customers listed below:



## Receipt Printing

- Increased accuracy thanks to the elimination of hand-written and hard to read receipts
- Labor saving thanks to eliminating manual data entry
- Improved control opportunity that provides to get stored receipt data easily
- Improved customer service thanks to accurate and easy to read receipts
- Obtaining work/weigh ratios of receipts as real-time
- Eliminating the time spent for searching lost receipts

## Invoicing

- Improving cash flow thanks to the faster billing
- Monitoring customer accounts and credit management carefully
- Able to transfer data of receipt and weigh to another accounting systems

## Reporting

- Traceability of material inventories
- Accurate material weight reports
- Monitoring transport performances and cycle times of vehicles
- Improved customer service by sending reports to customers and/or management as e-mail
- Faster process of data in large volumes
- Advanced vehicle based on real-time decisions

# IMPROVED CUSTOMER SERVICE THANKS TO ACCURATE AND EASY TO READ RECEIPTS



IW Intelli Weighbridge Automation also allows unmanned weighing solution. Automation systems provides a great opportunity to businesses for reducing labor costs and increasing efficiency. Office personnel can take part in other activities instead of manual operation during weighing processes



# GET MORE OUTPUT WITH LESS INPUT

## Human-free Weighing Solutions

- Due to the reduction of labor costs and increasing office productivity, the system will amortize itself in 12-18 months.
- Minimization of time that is spent on processes updating the tare weight at the location where the weighing scales during the loading operator and so on.
- Without additional labor cost providing better customer service with reducing operation time
- Improving employee productivity and enhancing customer service
- The system allows you to withdraw data from areas, vehicle transport information, loading times, material inventories and efficient vehicle routing information
- Less time and faster operations in weighing processes

## Border sensor control

The vehicles are not allowed out of the weighbridge for weighing with sensors that are placed on the border of weighbridge. So that you can prevent incorrect weighing caused by human errors and abuses.

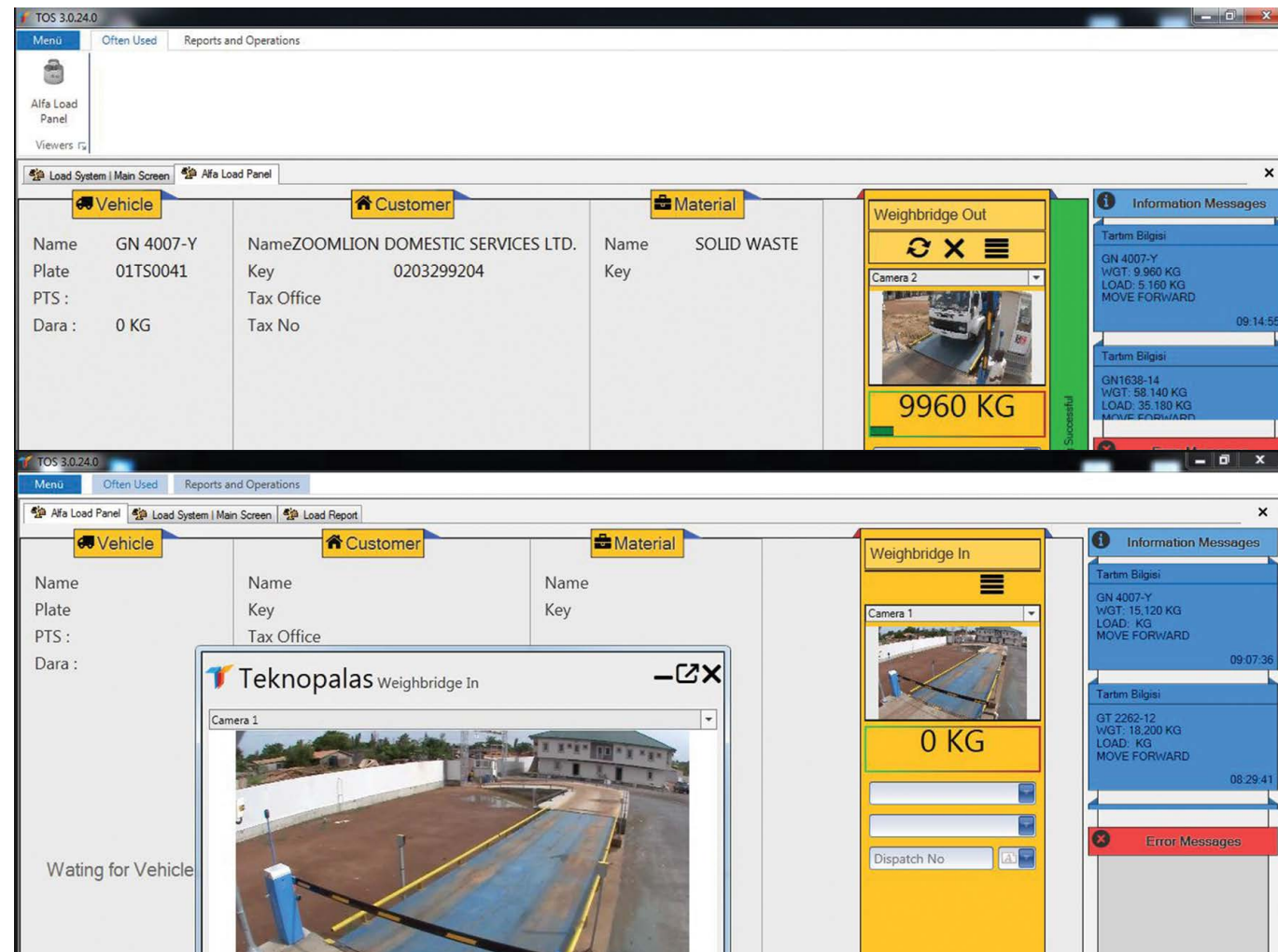


**REAL-TIME  
ROUTING WITH  
VEHICLE TRANSPORT  
PERFORMANCE  
REPORTS!**



# GENERAL FEATURES

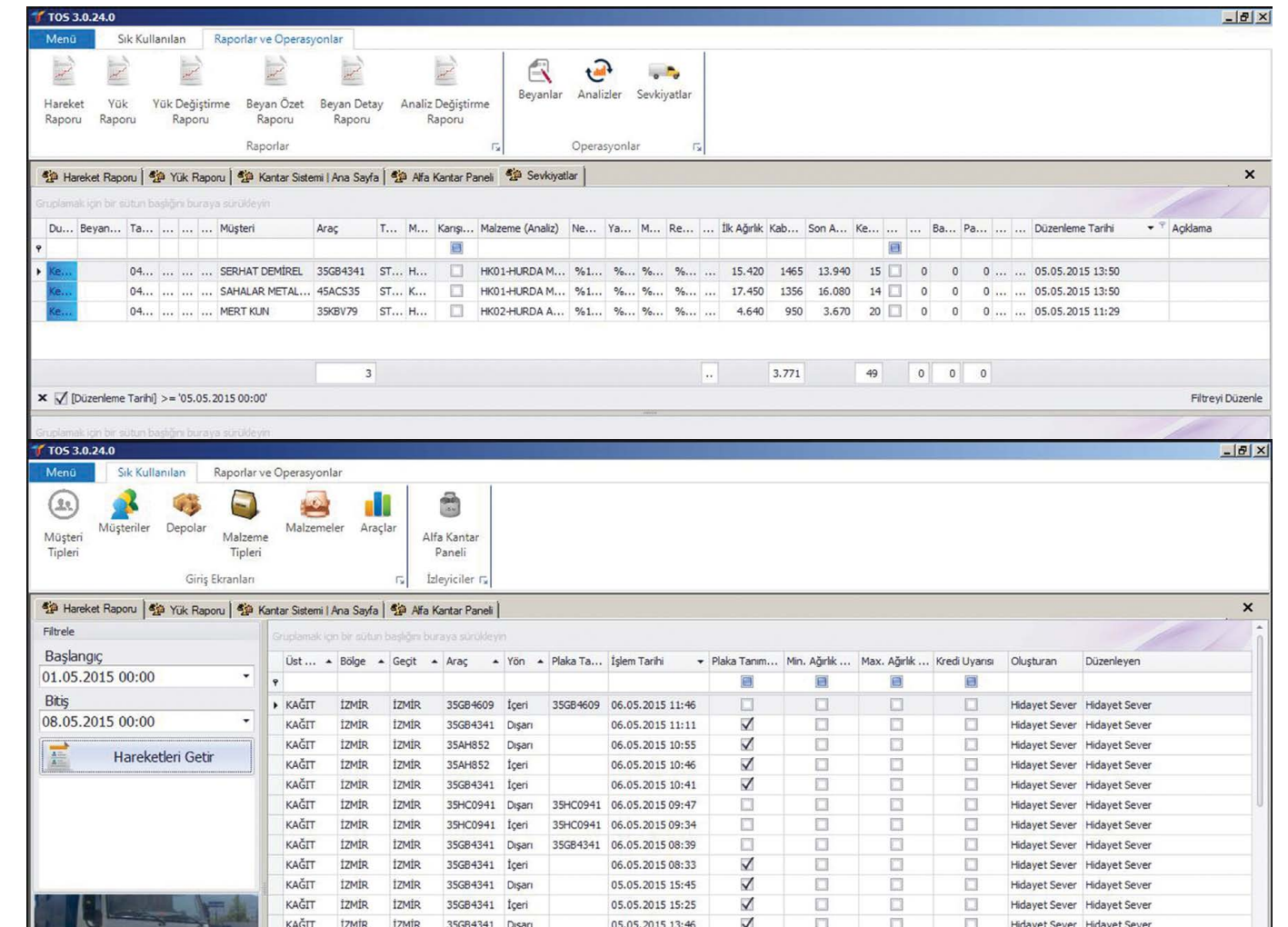
- User-friendly and flexible screen designs.
- Inventory tracking through processing of outgoing and incoming material records
- Transporters information and report generation.
- In addition to material and ratio table categories, other categories are also available to maximize reporting features (location information etc.)
- Passivation of the unused material types
- Report screens can be customized by the user.
- Interchangeable report column names.



- Stability settings can provide consistency during weighing.
- Automatically tare weighing
- Default setting of fields such as material, transporters, suppliers for every vehicle
- Possibility to select the group manually for conditions that RFID reading cannot be made
- RFID vehicle tag printing module.
- Credit identification opportunity for weighing operations.

# WEIGHING FORM

- Identifying vehicles in the area easily with "Open Transition List"
- Thanks to "Vehicle History", receipt operations are significantly accelerated by calling the data of last transaction, pricing and material.
- Reprinting of missing and incorrect receipts.
- Updating the tare weight by pressing the button or addition of the vehicle's weight on the scales as the new tare weight
- Editing maximum and minimum gross and net weights for mass values or each vehicle
- The minimum and maximum tare weights can be changed for each vehicle.



- Flexible Load Tables can meet many needs at once; ratios can be calculated according to measurement units, vehicle type, distance, time or any specific process..
- Easy calculation of load based on weight (tons/pounds), the number of units or area for each material.
- Opportunity to record unlimited number of directions, driver names, delivery addresses, phone numbers and so on.
- Dispatch and weighing receipt can be designed by the customer
- Specific forms of accounts or receipts that can be set differently in relation to vehicles

# SECURITY FEATURES

- Data transmission/update from locations that are far from central Office
- Security management with the identification of users using the user name and password entry
- To limit vehicles by looking at weighing information on the weight information form optionally
- Viewing images of each transaction of loaded vehicles from camera equipment with Reportable Photograph Record Module
- Independent printing and viewing regarding to each record
- To record all transaction details in the background of the program




# TRANSFER&ORDER TRACKING

- Creation and printing of transfers for customers and potential customers
- Easy conversion of transfers to orders and operations
- All screens can be converted to Excel, PDF, CSV etc. files.

# INVOICING


- Possibility of using invoicing features of IW Weighbridge Automation software or invoicing with your own accounting system (See. System Integration).
- Creating invoice, separation into subgroups according to the bill of records
- Option of creating a separate report for each sub-group.
- Getting print-outs of table.
- Account periods can be defined for each account level collectively or individually.
- Reprinting of Invoices and Tables
- Invoice and Table Summary Reports.



**TEKNOPALAS®**  
Solutions For a Better Life

**Teknopalas Yüksek Teknoloji Sistemleri**  
**Sanayi ve Ticaret Limited Şirket**

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**FATURA**

Tarih: \_\_\_\_\_  
Fiili Sevki Tarihi: \_\_\_\_\_  
Sevki Saati: \_\_\_\_\_

Seri B Sıra

Mal Kodu (Code)	Açıklama (Description of Goods)	Miktar (Quantity)	B.Fiyatı (Unit Price)	Tutar (Amount)

TOS 3.0.24.0

Menu Identification and Monitoring Often Used Reports and Operations

Roles Accounts

Users

Load Report Load System Main Screen Vehicle Roles Accounts

Name	ID No	Role	E-mail	Birth Date	Gender	Blood Type	Status	Created By	Modified By
Erçevik SALHAOĞLU		Yonetici	ercevik@zoompak.com.gh	12/23/2014	Male	A+	Active	yonetici	yonetici
HESSAN AHMED MUJHAL		Yonetici	hssan@campali.com.tr	11/5/1991	Male	B+	Active	yonetici	yonetici
yonetici		Yonetici	yonetici	12/21/2014	Undefined	Undefined	Active	Teknopalas	Teknopalas

# IW WEIGHBRIDGE AUTOMATION

IW WEIGHBRIDGE AUTOMATION LIMITED VERSION

IW WEIGHBRIDGE AUTOMATION STANDARD VERSION

IW WEIGHBRIDGE AUTOMATION PROFESSIONAL VERSION



# REPORTING AND SYSTEM INTEGRATION

## IW RFID WEIGHBRIDGE AUTOMATION REPORTS

You can create reports according to your needs through specifying the type of operation you want to be included in each report (It varies depending on the version of interaction).

Transaction types are as follows:

- Cancelled
- Edited
- Coming in
- Going out

Sort by any two areas:

- Receipt Number
- Account ID
- Account Name
- Transporter ID
- Transporter Name
- Transaction ID
- Transaction Name
- Material ID
- Material Identification
- Vehicle (Tare 1)
- Tare 2
- Additional Category ID (mine, location, area etc.).
- Additional Category Identification
- Username
- Opportunity to order data according to a range and/or ID type and subcategories

Reports can be generated as follows:

- Detailed Information
- Summarized Information
- Monthly Summary
- Weekly Summary
- Daily Summary

## ACCELERATE YOUR OPERATIONS WITH MINIMUM MANUAL PROCESS!

**SPEED  
DURABILITY  
ACCURATE  
EASY**



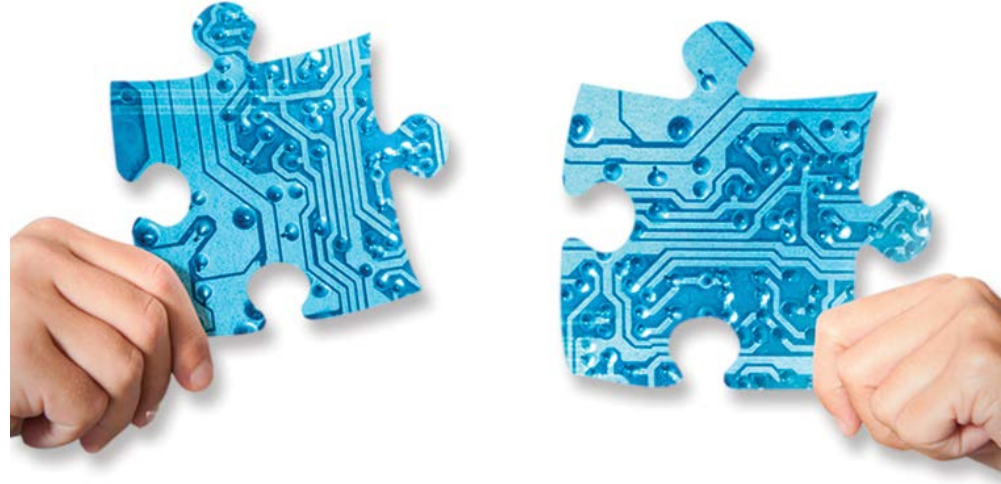


# SYSTEM INTEGRATION

Why do you spend your valuable time to enter data into accounting program, while IW RFID Weighbridge Automation can do this operation for you? When you need a third-party integration, we work with you and your software provider and perform a custom design for you in Teknopalas.

This also allows you to export weighing data to other applications.

Does your accounting system have import feature? If so, it is possible to do data transfer. You can contact us for more information.



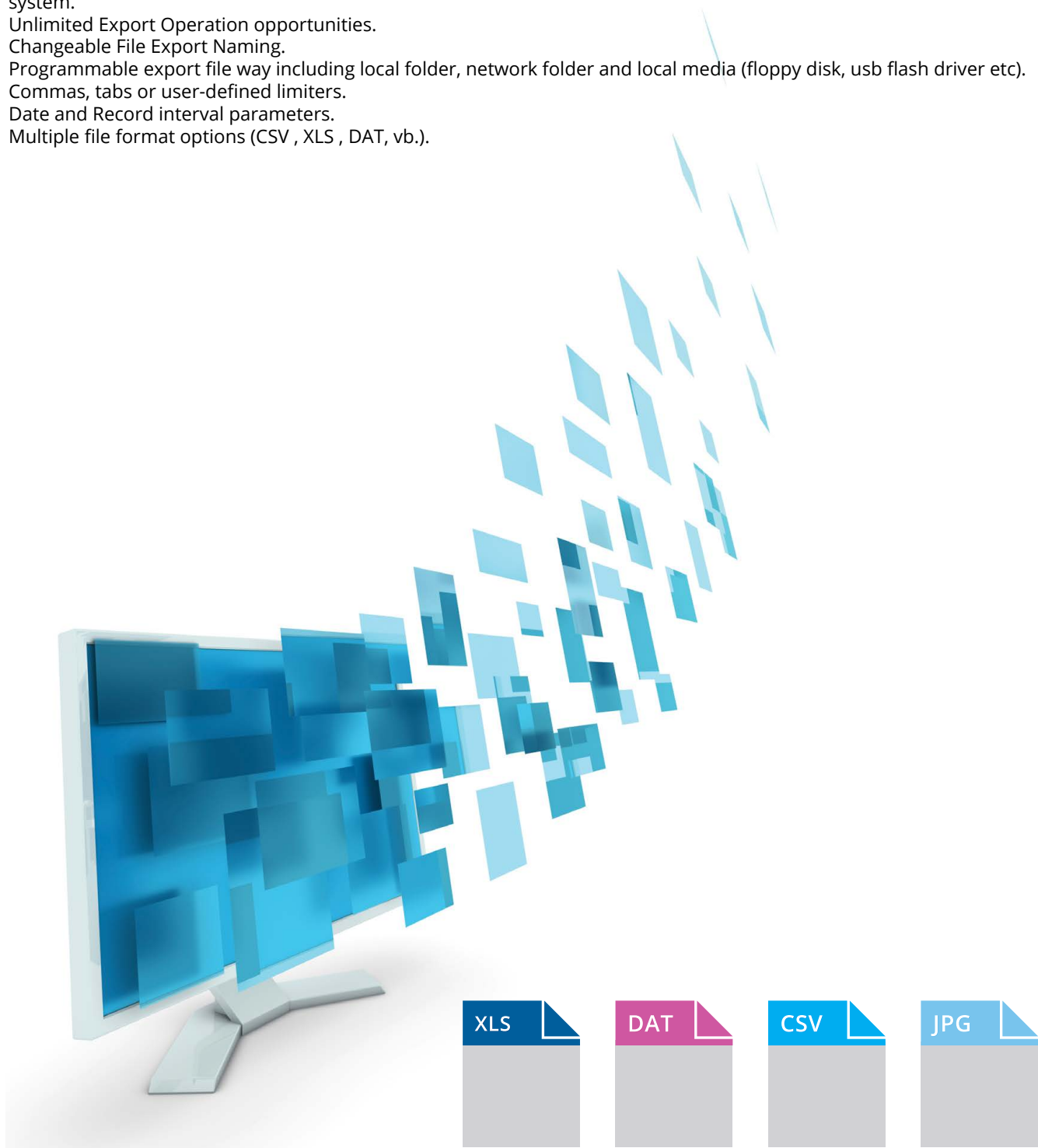
TEKNOPALAS  
UHF RFID



# FULL IMPORT/EXPORT MODULE

With Full Import/Export Module, IW Weighbridge Automation allows you to transfer data for being able to execute the most effective process. This feature prevents the transfer of same information twice to account program and the weighbridge system.

- Unlimited Export Operation opportunities.
- Changeable File Export Naming.
- Programmable export file way including local folder, network folder and local media (floppy disk, usb flash driver etc).
- Commas, tabs or user-defined limiters.
- Date and Record interval parameters.
- Multiple file format options (CSV , XLS , DAT , vb.).



## SYSTEM COMPONENTS



RFID Fixed Reader



RFID Antenna



LED Display



Camera



Border Control Sensors



Mobile Handheld Terminal



RFID Vehicle Tags



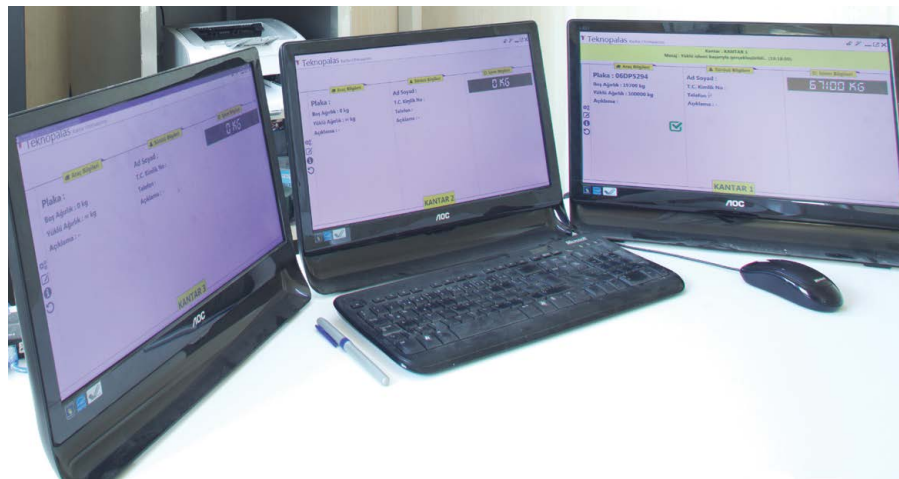
# IW WEIGHBRIDGE AUTOMATION SYSTEM FEATURES

The system allows you to gain real-time data that contributes to development of your business efficiency through real-time weighing operations with a little need or without need to a weighbridge operator.

Easy system troubleshooting and field-friendly features makes it possible to automatically print receipt and dispatch by providing support in order to accelerate the process of weighing the truck with its modular structure.

The system allows to find and print again of a needed record at a specific time interval automatically with a record ID that is kept for each record instead of finding out manually among hundreds or thousands of records.

RFID (Radio Frequency Identification) is rapidly becoming a critical element in fleet management. Time that is saved from operation times will be used in reducing the operational burden with this technology. Camera systems and DVR recorder allows you to record and store images for each weighing process.



# TEKNOPALAS UHF RFID



## CENTRAL MANAGEMENT MODULE

Thanks to superior synchronization infrastructure of the system, all transactions performed in numerous locations can be monitored from a single center, controlled and reported real-time.

## REPORTING OPTIONS

You can produce hundreds of different reports for different time intervals that you want by different kinds of filtering choices.

You can easily monitor the status of your company in real-time with dozens of graphical report options based on supplier, customer, material.

The system allows you to see estimated and actual deviations from the expected weight before vehicles enter to the weighbridge.



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