

**LIAD** Weighing & Control Systems Ltd.

## *CE – Aggregate Module*

**The Aggregate Site  
Management Solution**

## Overview

The CE aggregate site management module is an integral component of the CE system, which allows simultaneous management of all the company's operations (aggregate sites, concrete plants, and asphalt plants) or management of each operation as a separate entity.

The aggregate site management module handles customers/contracts/sites, transport contracts, and the company's billing activities in the main module - just as with the concrete plant management module.

Each action performed by the aggregate site automatically updates the CE main database. This enables acquisition of constantly updated data regarding work status in every aggregate site, the production of real-time data reports, and customer credit line management that allows automatic or manual supply suspension.

As a part of the CE system, the aggregate site management module is a distributed system that allows each aggregate site to operate independently even when communication with the CE main database is down, and to resynchronize when the communication is back up and running.

## System Capabilities

1. Data export to different external systems in format required (either automatically or manually)
2. Report generation according to customer requirements
3. Specific permissions management and menu creation at user or user group level, where a number of menus can be defined for each user
4. Historical financial and technical data storage with the capability of reporting changes

## Aggregate Site Operation

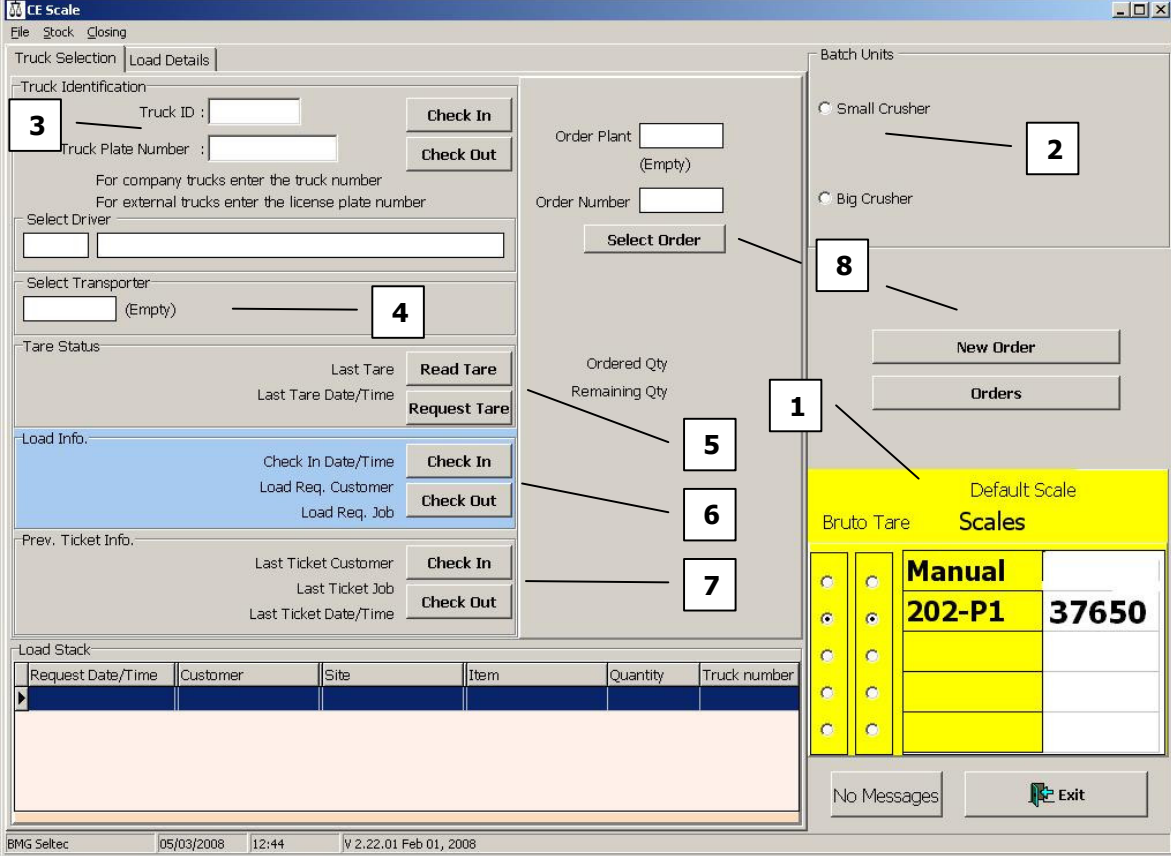
The aggregate site management module enables cartage to the customer either at the level of daily orders of large quantities of the required materials (similar to how the module operates for concrete and asphalt plants) or at the level of one-time cartages, where the cartage is unconnected to any order.

This second option greatly simplifies aggregate site operations and eliminates the need for the weighing point to depend on the dispatcher.

## Operator Capabilities

1. Request tare weight for every truck entering the aggregate site, before it goes on to the weighing point filled with material. This avoids the net weight deviations that result from the changes in tare weight from the last weighing until the actual cartage.
2. Set up cartage request when a specific truck enters the aggregate site. When the truck is weighed as it exits, the operator can then identify if the truck has been filled with the wrong material, based on this cartage request.
3. Simultaneously operate four scales from a single computer station.

## Weighing Point Screen



The screenshot shows the 'CE Scale' software interface. It includes a menu bar (File, Stock, Closing), tabs for 'Truck Selection' and 'Load Details', and a 'Batch Units' section with radio buttons for 'Small Crusher' and 'Big Crusher'. The main area is divided into several sections: 'Truck Identification' with fields for 'Truck ID' and 'Truck Plate Number' and buttons for 'Check In' and 'Check Out'; 'Select Driver' and 'Select Transporter' fields; 'Tare Status' with 'Last Tare' and 'Last Tare Date/Time' fields and buttons for 'Read Tare' and 'Request Tare'; 'Load Info.' with 'Check In Date/Time', 'Load Req. Customer', and 'Load Req. Job' fields and buttons for 'Check In' and 'Check Out'; 'Prev. Ticket Info.' with 'Last Ticket Customer', 'Last Ticket Job', and 'Last Ticket Date/Time' fields and buttons for 'Check In' and 'Check Out'; and a 'Load Stack' table with columns for 'Request Date/Time', 'Customer', 'Site', 'Item', 'Quantity', and 'Truck number'. A 'Default Scale Scales' table is also visible, showing 'Manual' scales with a weight of '37650'. The status bar at the bottom displays 'BMG Seltec', '05/03/2008', '12:44', and 'V 2.22.01 Feb 01, 2008'. Numbered callouts 1 through 8 point to specific elements: 1 points to the 'Select Order' button; 2 points to the 'Small Crusher' radio button; 3 points to the 'Truck ID' field; 4 points to the 'Select Transporter' field; 5 points to the 'Check In' button in the 'Load Info.' section; 6 points to the 'Check Out' button in the 'Load Info.' section; 7 points to the 'Check In' button in the 'Prev. Ticket Info.' section; and 8 points to the 'New Order' button.

1. Aggregate site system's weighing point facilitates working with four scales at the same time.
2. Indicates specific crusher where the material has been produced, at the time the supply ticket is created.
3. Create cartage for company trucks or walk-in trucks.
4. Select Haulage Company in order to calculate customer credit and/or payment to transporter.
5. Perform tare weight and save data for each truck in database, with option for repeat/updated weighing.
6. Perform cartage according to request sent from dispatcher station.
7. Perform cartage by retrieving previous cartage data for same truck – this represents a significant reduction in work time.
8. When working according to orders generated by the dispatcher station, the new cartage can be connected to a current order; or a new order can be generated to supply a large quantity of material in the same timeframe.

## Weighing Point Screen, continued

The screenshot shows the 'CE Scale' software interface. It includes a menu bar (File, Stock, Closing), tabs for Truck Selection and Load Details, and a General Info section with sub-tabs for Customer and Customer Additions. The main area contains fields for Customer/Job Site/destination, Project, Address, City Code, Mirror Site, Distance Code, Tax Code, Contact Person, and Phone #. A 'Driving Directions' text area is also present. The 'Ordered Item' section shows 'Usage', 'Item' (0101008), and 'Item Alias'. A 'Quantity' section displays 'Ordered' (20.45) and a 'Prev. Orders' button. A 'Pricing Info.' section includes 'Contract', 'Product Price', and 'Hauling Price'. A summary table on the right shows 'Bruto Tare Scales' with columns for 'Manual' and 'Scales', and rows for '202-P1' and '37650'. A 'Total Cost' field is also visible. The interface includes 'New Order' and 'Orders' buttons, a 'Save' button, and a status bar at the bottom.

1. Select customer and site for cartage and view all customer data. If the site does not exist in the database, the system will allow operator to enter data for the new site, which will be added automatically to the database, when cartage is performed.
2. Select material for cartage. The system will warn if there is no price for this material in the customer contract.
3. System calculates net weight of material, based on gross weight received from weighing point and tare weight from the truck.

## Walk-in Customer Management

The system enables sales of material to walk-in customers, whereby it executes one-time purchasing operations without the need for account management.

When such a purchase is made, the customer receives an invoice and receipt, which are automatically transferred to the CE main database.

All sales to walk-in customers are transferred to financial management systems via a single log command (credit/debit).