

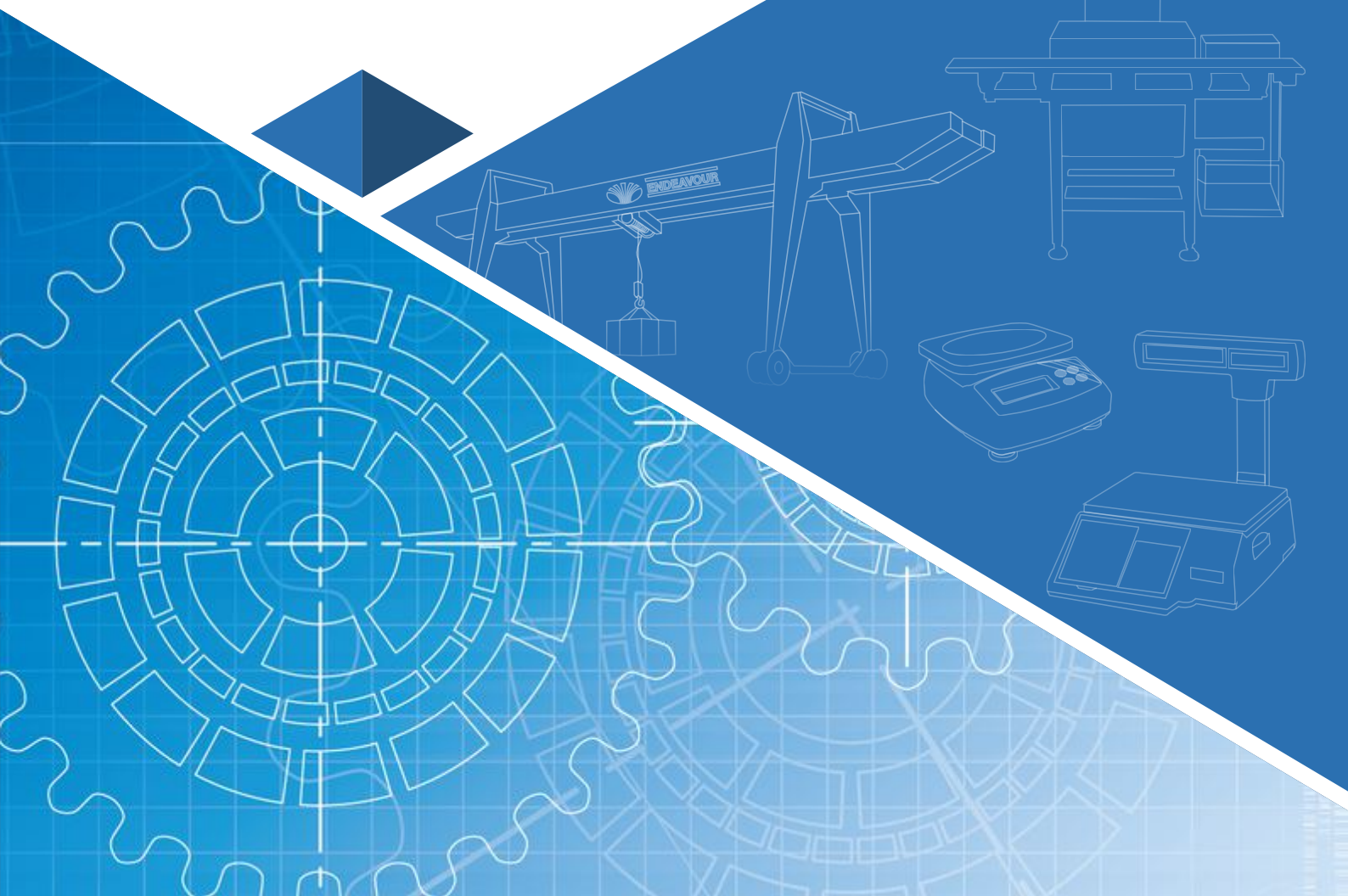
# THE REV EW

OFFICIAL NEWSLETTER FROM  
E-GLOBAL GROUP OF COMPAINES

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# WEIGHING IN *LOGISTICS*



## » What is logistics?

With the recent Suez Canal incident, the whole world has been focused on the operations of global logistics and transportation. A sizable portion of the global trading routes were on a standstill, due to the blocking of the Suez Canal in Egypt. Logistics is a crucial component of business, as it deals with obtaining, producing and distributing materials in the right quality and quantity. It employs a wide range of planning skills to ensure the right packaging, containerization, documentation, insurance, storage, exporting, regulating and damage control has been done for the materials. A logistics manager would routinely be overseeing hundreds of thousands of commodities.

How would a logistics manager oversee and track hundreds of different containers, filled with thousands of different commodities? They manage them by weighing these containers, and a number of costs are decided on the basis of their weights. The smallest errors could cost hundreds of thousands of dollars. In order to avoid these losses, logistics companies employ high precision weighing instruments. Container weighing is one of the most important activities taking place at shipping ports.

## What weighing instruments are used by logistics companies?

### » Weighbridge truck scales

A weighbridge is similar to a metal bridge which is equipped with load cells, or other mechanical weighing equipment, which weighs a truck when it is standing stationary on top of the bridge. They come in a variety of sizes ranging from a few meters in length, to 50+ meters in length, and capable of weighing from 1Metric Tonne, to 500Metric Tonnes.



### » On-board truck scales

These are cordless weighing systems fitted on the truck, with the help of the load cell technology, and pressure readings of the air suspension on the truck scale, the weight can be determined and transmitted to a monitor. This is a convenient and flexible method, as the weighing takes place at the load site itself.



### » Portable truck scales

these are weight pads that can be placed to weigh the truck. These are flexible tools used to ensure that the legal limits of loading are being observed. They are starting to replace stationary weighbridges, as they are more robust and flexible, whilst being highly accurate.

### » Vehicle and axle scales

these help in providing the weight of the gross and axle of different types of vehicles, from light vans to heavy multi-axle trucks and vehicles. These are mostly used for large sized trucks, to avoid the hefty fines of over-loading.

### » Floor scales

These scales are used to weigh goods when they are moving in and out of inventory stock. They are used to weigh smaller quantities, from a few kilograms, up to 1Tonne.

There are weighing scales designed for almost every industry, as they are a necessary tool in ensuring optimum productivity, and acts as an important measure of quality control.



# WHAT MAKES A GOOD CONSTRUCTION MANAGEMENT SOFTWARE?



Machines, material inventory, stock inventory, job cards, log sheets, machine maintenance, worker schedules, contractor salaries. These are the things that float around the minds of every manager, at a construction firm. How does one manage the operations of hundreds of machines and workers at a construction site, and these problems only accumulate when the company operates multiple sites simultaneously. This is where a construction management software becomes crucial for any manager. These are some of the most important features that any construction management software should have;

**Smart project creation** the software should allow for easy creation of new projects, and allow the manager to add in the important details of the projects in just a few clicks. Important details of the smallest units of the projects should be covered in the software. For example, Project X has 10 Apartment buildings, each building has 5 floors, each floor has 4 houses, and each house has 3 rooms.

**Material requisition breakdown** the software should allow for the site manager to request for materials for specific units of the projects, for example, ordering 200 tiles for the kitchen flooring of Apartment X on Site Y. This allows for simplified tracking of the materials being used throughout the projects, and mitigates the risk of double purchases and theft of material.

**Simplified accountability** every activity that is done should show who the responsible authority is. This is important to ensure that, at the end of the day, every task, purchase and activity is accounted for.



**Management of machinery equipment** there are a lot of heavy and expensive machineries used on construction sites, a lower level of productivity on these machines can cost a significant amount of money. The software should be able to record the productive hours of each machine. Additionally, preventive maintenance on these capital goods is crucial. The software should be able to provide regular reminders on maintenance activities, and what material is required for the same.

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**Regular Reports and reminders** The software should allow for setting a hierarchy and role-based access to information, so that the relevant information is reaching the right people. Daily reports should provide all the relevant information of the day's activities to the senior staff members.

**Smoothing the process of billing and invoicing** the software should be able to smartly prepare the invoices and bills with just a few clicks.

**Finally, Perhaps the most important feature that all software solutions should come with...**

**Training and adoptability** A software, no matter how rich with features and benefits, is of no use when it is not being used appropriately. It is imperative that the software solution comes along with all-rounding training sessions, and is highly adoptable by all levels of employees. Any industrial management software needs to be simply understandable by all levels of employees, and not just the highly educated staff members. This may require months of training and adoption, but it is one of the most crucial portions of any software solution. A simple software that is well-adopted and well-used may do more for an organization, than the most sophisticated and expensive software.

**Endel Digital's** experience over the last few decades, has allowed us to fully study and understand the shortcomings and problems faced in the construction industry. Our experience, understanding, technological capabilities, has allowed us to create **ORECS**, an industrial management software, that is perfectly equipped to solve all the major issues that construction industry players, like yourself, face. We have leveraged our industry knowledge and involvement with several key players across different industries, to formulate this curated and distinct modules for the construction industry. Our ethos has always been to create offerings that are entirely innovative and provide a solution in a way that no other can.





# DAD YOU KNOW?

- » There are more than 5 million truck drivers employed in India, which means one in every 15 employed persons in the country, is a truck freight driver. 70% of all freight transportation in India, is done via road trucks.
- » The world's largest tyre is the Uniroyal tyre in Detroit, USA. The tyre is 25 Meters tall, and weighs 12 Tonnes, which is double the weight of an Elephant!



info@e-global.in

**Contact Us**  
+91 9714006604

www.e-global.in

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