



Tracking & improving operations in real time

Visualizing Data in Real Time to Improve Operations

For warehouse and operations managers, tracking data and simplifying processes are the first steps in achieving operational efficiency. However, this is only a small part of the processes. To ensure customer satisfaction, reduce costs, and move towards true operational excellence, managers need to be able to identify bottlenecks and problem areas, allowing them to effectively resolve issues and continuously improve operations.

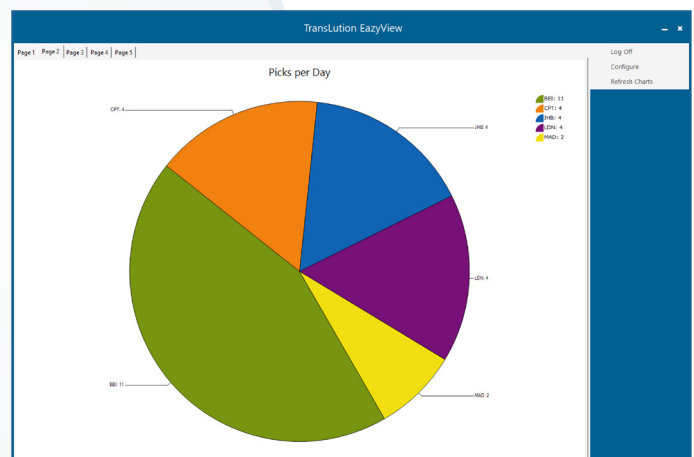
By identifying Key Performance Indicators (KPIs), warehouse managers can analyze a specific process or operation and reveal the effectiveness and progress of that process by comparing it to past numbers and benchmarks. In order to do this, the correct data needs to be available and accessible.

TransLution™ Data

By its nature, TransLution™ already tracks and stores operational data that is not necessarily available elsewhere. The TransLution advantage is in the scope of data captured. For example, TransLution knows which worker packed which cartons, put away which products, and worked on which production jobs. The data is recorded by date, time, worker, location and with the relevant details related to the task at hand as a function of the various operational tasks.

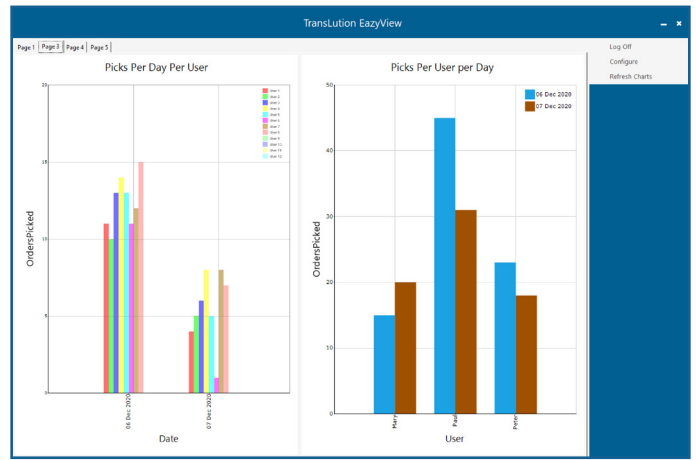
TransLution™ Visualization

This deep level of information is made available by TransLution™'s visualization tool, providing a platform for users to configure multiple charts to visually view and analyze process data. **It provides workers and management a real time view of what is happening on the floor, for example as orders shipped today versus orders remaining, or production completed versus planned and remaining.**



These charts are easily available from **within the TransLution™ interface**, allowing managers to analyze data in real time, and quickly and effectively adapt workflows and processes to address issues. This makes it valuable for purposes finding or confirming bottlenecks in operations, managing worker KPIs and providing an objective method of determining what measure of work has been completed, when and by whom.

The TransLution™ visualization screens allow users to place charts and graphs side by side to view the same data in different ways as shown below, or to view different sets of data on the same form.



The tool supports Column Charts, Line Charts and Pie Charts, and allows users to configure their own forms with the same easy-to-use concepts as the other TransLution™ tools. As with each TransLution™ application, the visualization tool allows for different information to be seen by different users. In this case, all chart permissions are defined per user.

TransLution™ Software Visualization Tool Setup Form

| Chart Number | Chart Name | View Name | Chart Type | X Axis | Y Axis | Group |
|--------------|------------------------|---------------------------------|------------|--------|--------------|-------|
| 1 | Qty Per Job | vw_EazyView_Labour_Qty | Pie | JobNo | QtyCompleted | |
| 2 | Picks per Day | vw_EazyView_GroupedOrdersByUser | Pie | User | Total | |
| 3 | Picks Per Day Per User | vw_EazyView_PicksPerUser | Column | Date | OrdersPicked | User |
| 3 | Picks Per User per Day | vw_EazyView_PicksPerUser | Column | User | OrdersPicked | Date |

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