

CASE STUDY · AEROSPACE MANUFACTURER · OPERATIONS

Seeing the shop floor as it happens

Three dashboards built on existing ERP data: a live floor board, weekly labor utilization and a supplier on-time delivery measure the team can trust.

Data and reporting

Dashboards

ERP data

Operations

INDUSTRY

Aerospace manufacturing

TEAM

Operations, production supervisors, purchasing

DELIVERED AS

Three web dashboards on the internal network

CONNECTED TO

ERP data and weekly timecard exports

THREE PROBLEMS, ONE APPROACH

Put the numbers where the decision is made

Each dashboard started as a question someone was answering by hand. Each one now answers it automatically.

1 · FLOOR VISIBILITY**Who is on what, and is it running long?**

Problem. Supervisors walked the floor or ran reports to see who was clocked into which job and whether it was going over its time estimate.

Solution. A live board of every active clock-in, color-coded by percent of estimated time used, filterable by work center and employee, with a flag when someone is on two jobs for the same part.

2 · UTILIZATION**Are booked hours matching hours worked?**

Problem. Comparing timecard hours to labor booked in the ERP was a manual spreadsheet job, and history disappeared as the source export rolled over.

Solution. Upload the timecard export and it is matched to ERP direct-labor hours by employee and week, shown as utilization by person and over time, and stored permanently.

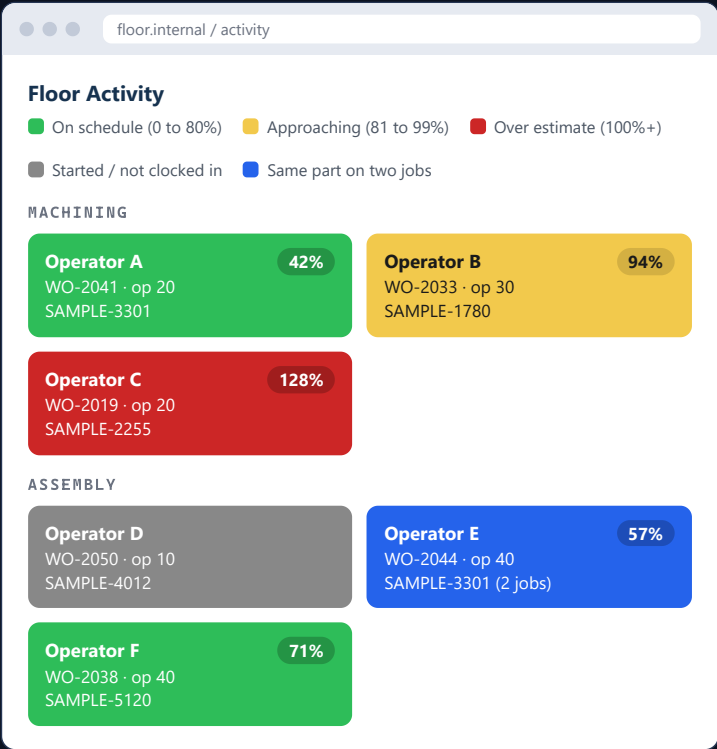
3 · SUPPLIER DELIVERY**Can we trust the on-time number?**

Problem. Zero-quantity receipts were counting as deliveries, which made suppliers look better than they were.

Solution. A corrected measure that uses the first real receipt against the promise date, counts undelivered past-due lines against the supplier, and excludes zero-quantity receipts and cancelled orders.

The dashboards

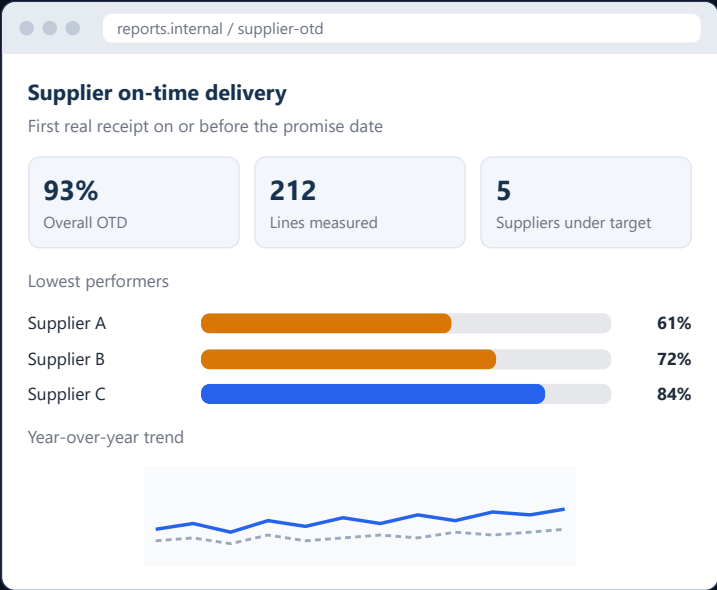
Each one is a single screen with filters, built for a quick look rather than a training course.



Live floor board. Tile color shows how much of the estimated time has been used. Filters by work center and employee.



Utilization. Booked direct labor against hours worked, by person and by week, with permanent history.



Supplier on-time delivery. A measure the team can trust, with the worst performers and the year-over-year trend up front.

The difference on the floor and in the office

Problems show up sooner

A job running over estimate is visible while it is still running, not at the end of the week.

One version of the numbers

Utilization and delivery measures come from the ERP and follow written rules, so meetings stop arguing about the data.

History is kept

Weekly utilization is stored permanently, even though the source export overwrites itself.

Honest supplier metrics

Excluding empty receipts and counting past-due lines gives purchasing a fair basis for supplier conversations.

Reusable across plants

The floor board runs at two plants from the same design, with only the connection settings changed.

Nothing to install

Everything is a web page on the internal network, so there is no software to roll out on the shop floor.