



Sustainable capacities — the 3 distribution centres

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390 production days measured · fictional document

Fictional document — demonstration example

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Fictional document, produced for the demonstration. **Capacities are not copied from the spreadsheet: they are measured across 390 production days. It is the gap between the two that explains a plan breaking one week in three.**

*Sustainable capacity is the volume a site holds day after day without degrading its lead times or resorting to overtime — not its record. **A plan built on a record is caught up the next day; a plan built on sustainable capacity holds.***

Declared and measured, centre by centre

Centre	Declared in the spreadsheet	Sustainable, measured	Gap	What production says
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Centre	3,200 parcels/day	2,750	– 450	The declared rate was held on only 4 days out of 390, and all 4 were followed by a catch-up the next day
North	4,000 parcels/day	4,150	+ 150	It is worth more than the spreadsheet credits it with — the margin is used in all three plans
South-East	2,400 parcels/day	2,380	– 20	Almost right

What happens at Centre above 2,750 parcels

Indicator	Below 2,750	Above	Consequence
Picking time	4 hours	9 hours	Evening departures are missed
Picking error rate	Baseline	Doubled	Returns and redeliveries the next day
Catch-up the following day	None	4 times out of 4	The next day's capacity is cut by as much

What the correction changes on the cost plan

Version	Annual transport cost	Does it hold?	Reading
Cost plan on declared capacities	€5.74M	Overrun one week in three	The plan is cheaper on paper
Cost plan on sustainable capacities	€5.79M	It holds	€50,000 more, and a plan that does not break

Those €50,000 were already being paid, in overtime and catch-ups: **they simply never appeared in the plan**. Bringing them into view costs the company nothing extra — it moves spending that was suffered into spending that is decided.

The time this moves

Task	Before	With the agent	What the check covers
Checking site capacities	40 % of the exercise	5 %	390 real days per centre, instead of a figure declared once and for all

Recomputation proposed every quarter, approved by the three centre managers. They are their figures, measured at their sites — the argument about Centre's capacity has been running for two years, **and it is settled in one meeting on measurements rather than impressions**.

For the logistics director to settle

Sustainable capacities approved by the centre managers on: _____

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