

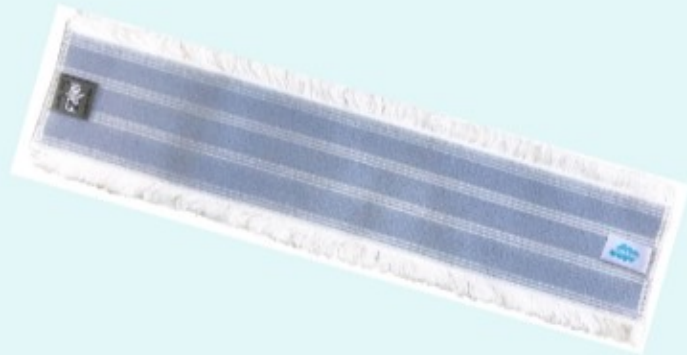


# M.O.P.S.

MONITORING OBJECT POSITIONING SYSTEM

# Markas problem

- Misplacement/disappearing of newly purchased mops
- Discarded instead of washed



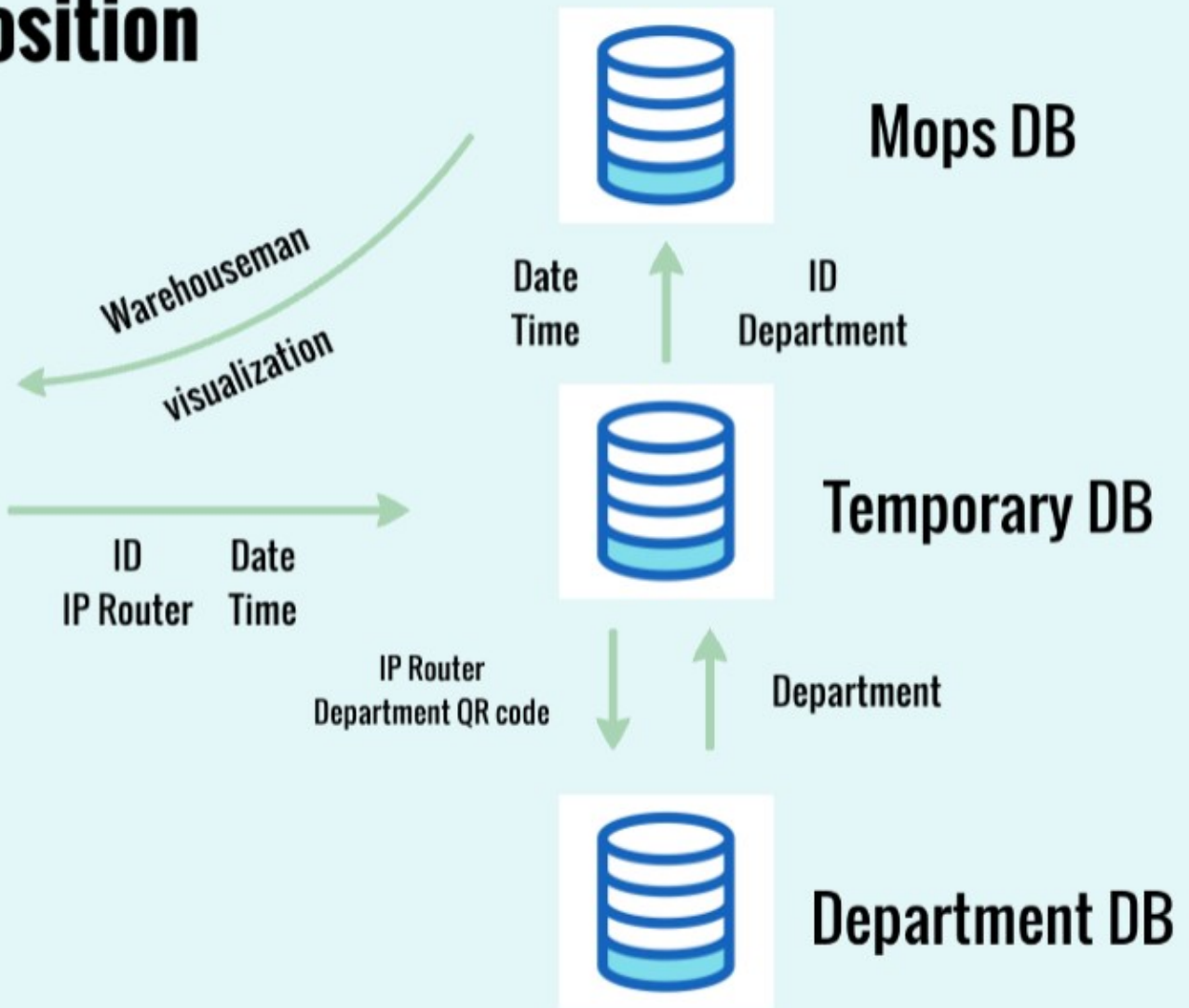
## **Solution**

**Add a label with a QR code to track  
the life of the mops**



**M.O.P.S.**

# Logic of the mop's position monitorization



# Cost analysis

| <b>Actual situation</b> | <b>Implementation costs</b> | <b>After M.O.P.S. implementation</b> |
|-------------------------|-----------------------------|--------------------------------------|
| 50 Carts                | 5000 total mops             | 50 Carts                             |
| 4000 used mops          | 0,07 € each label           | 4000 used mops                       |
| 2,75 € cost each mop    | 500 € add label to mops     | 2,75 € cost each mop                 |
| 1000 mops lost / year   | 50 € scanner                | 0 mops lost / year                   |
| total cost 2750 €       | 2500 € total cost scanner   | total cost 0 €                       |

**M.O.P.S.**