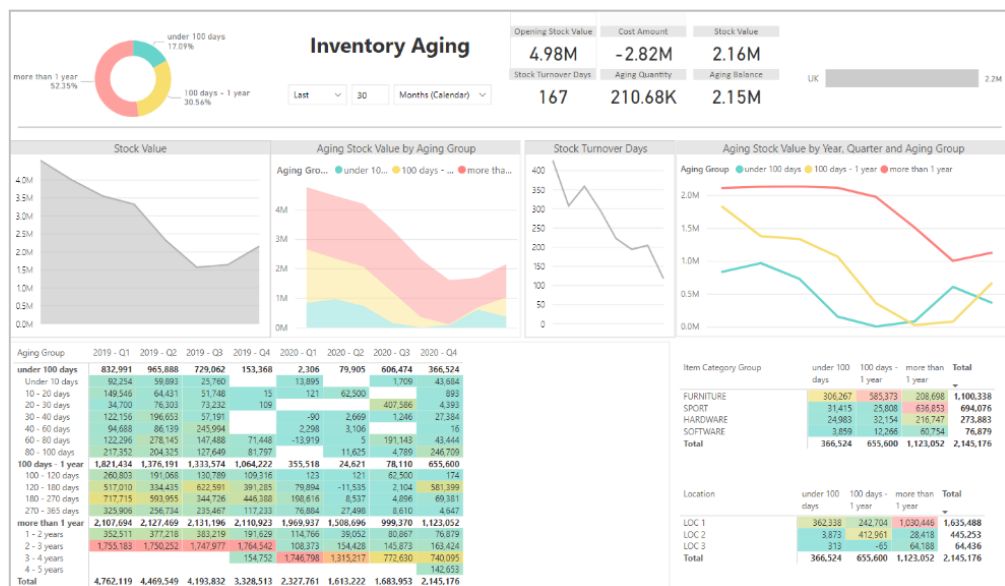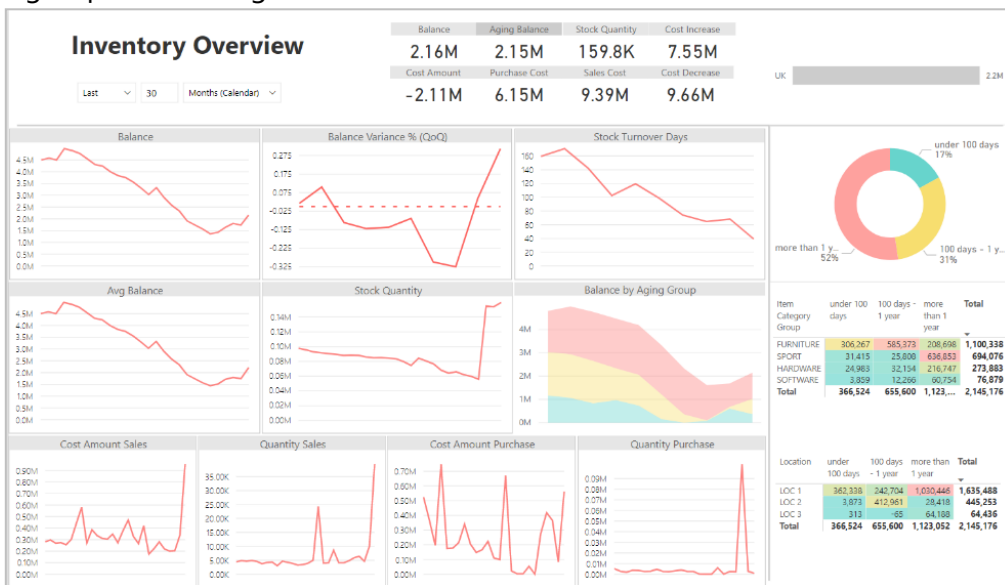# INVENTORY ANALYSIS

Inventory cube comes with **104 measures** organized in five measure groups:

- **Inventory Transactions:** Analyze Cost and Quantity (Issued / Received by Date Physical / Date Financial), adjustments, and average costs.
- **Inventory State:** Track dynamics of your Inventory (Opening / Closing Qty and Value Balances, Stock Rotation in days, Min / Max Values, Average Qty, and Value over time).
- **Inventory Aging:** Track aging value and quantity by setting periodical snapshots, save to historical data and analyze changes over time by detailed aging buckets.
- **Inventory Journal:** Analyze Cost, Qty, and Price of journal transactions(increase, decrease, net change) commonly used for tracking wastage, shrinkage, and similar transactions.
- **Inventory Transfers**: Analyze transfers between locations.

Measure groups are sharing **28 dimensions** with **338 attributes** in **54 hierarchies**.

COMMON DIMENSIONS
- Date
- Item
- Location

Inventory Transactions
DIMENSIONS
- Currency
- Date
- Document Inventory
- Inventory Batch
- Inventory Dimensions
- Item
- Location

MEASURES
- Average Cost + ACY
- Cost Amount Adjustment + ACY
- Financial Cost Amount + ACY
- Issued Amount + ACY + PCY
- Issued Cost + ACY
- Issued Quantity
- Received Amount + ACY + PCY
- Received Cost + ACY + PCY
- Received Quantity
- Value + ACY + PCY

Inventory Journal
DIMENSIONS
- Date
- Invent Journal (ID, Description, Line Number, Name ID, Voucher)
- Item
- Location
- Reason Code

MEASURES
- Journal Misc (Cost & In & Out, Quantity & In & Out)
- Journal Other Adjustments (Cost & In & Out, Quantity & In & Out)
- Journal Shrinkage (Cost, Quantity)
- Journal Transfer Adjustments (Cost & In & Out, Quantity & In & Out)
- Journal Wastage (Cost, Quantity & In & Out)

Inventory Transfers
DIMENSIONS
- Item
- Location (From & To)
- Planned Receive Date
- Receipt Posting Date
- Receive Date Line
- Ship Date Line
- Shipment Posting Date
- Transfer Order
- Measures

MEASURES
- Transfer Received Cost Amount
- Transfer Scrap Cost Amount

Inventory Aging Transactions
DIMENSIONS
- Date
- Location
- Location From

MEASURES
- Aging Cost
- Aging Value + ACY
- Aging Quantity

Inventory State
DIMENSIONS
- Date
- Inventory Aging
- Location
- Location From

MEASURES
- Average Stock (Quantity, Value & ACY & PCY)
- Inventory State Stock Quantity
- Max Stock Quantity in Time Span
- Max Stock Value in Time Span + ACY
- Min Stock Quantity in Time Span
- Min Stock Value in Time Span + ACY
- Opening Stock Quantity
- Stock Cost
- Stock Quantity
- Stock Turnover (Coefficient & Days)
- Stock Value + ACY + PCY
- Out of Stock (1,7,14,30)d
- Out of Stock (1,7,14,30)d - No of Items
- Out of Stock (1,7,14,30)d %