

# Demand Planning Workbench Mirnah Technology Systems

### **DPW Features**

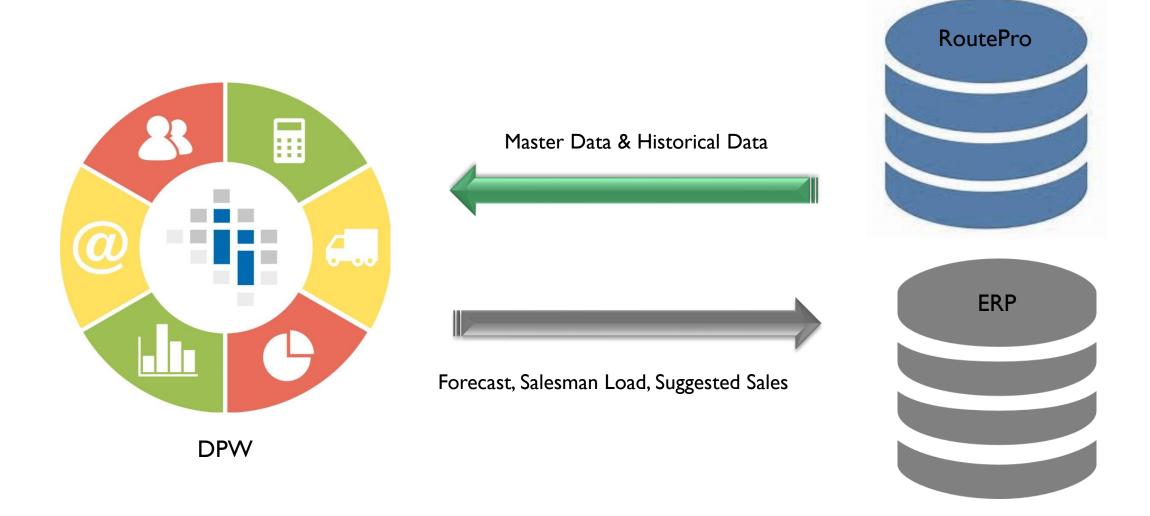


- ✓ Customer and Item Inheritance
- ✓ External Factors on Supervisor Level
- ✓ LPO Updates before Distribution
- ✓ Distribution Transfers and Audit
- **✓ Date wise Allocation Adjustments**

- ✓ Daily, Weekly & Monthly Forecasts
- **✓** Supervisor Forecasts
- ✓ Production Plan Amendments
- ✓ Demand Planner Approvals
- ✓ Demand Planner & Supervisor Workflow



# DPW SOLUTION LANDSCAPE



### **DPW Users and Roles**



#### **Demand Planner**

Production Plan Creation



### **Area Manager**

- Transfer Final Approval
- Distribution Approval
- Allocation Approval



### **Plant Manager**

- Approve Amendments
- Reject Amendments
- Post Production Plan
- Amend Finished Goods

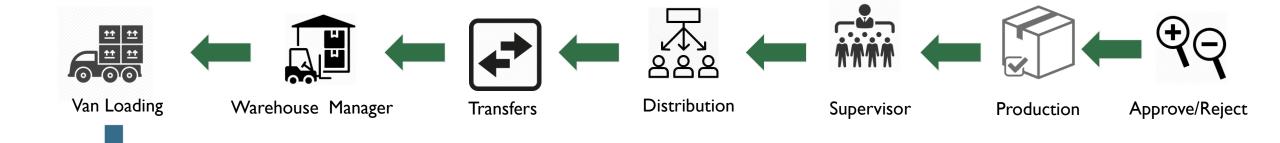


### **Supervisor**

- Forecast Creation
- Route Distribution
- Route Allocation
- Load Adjustment

## DPW BUSINESS PROCESS





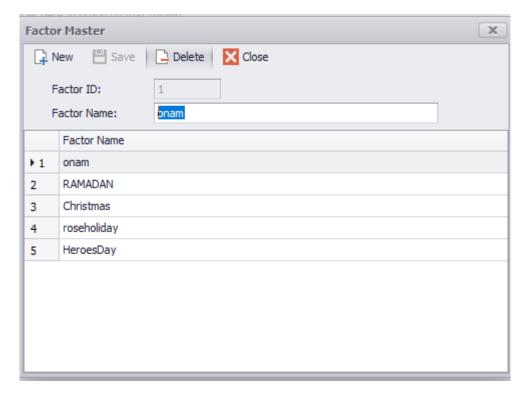
## HISTORICAL DATA ANALYSIS

- By Location Hierarchy (Region, Depot, Area, Sub-Area & Route)
- By Item Hierarchy (Item Group)
- By Period (Year, Month, Week & Day)
- By Gross Sales, Net Sales



# FACTOR CREATION

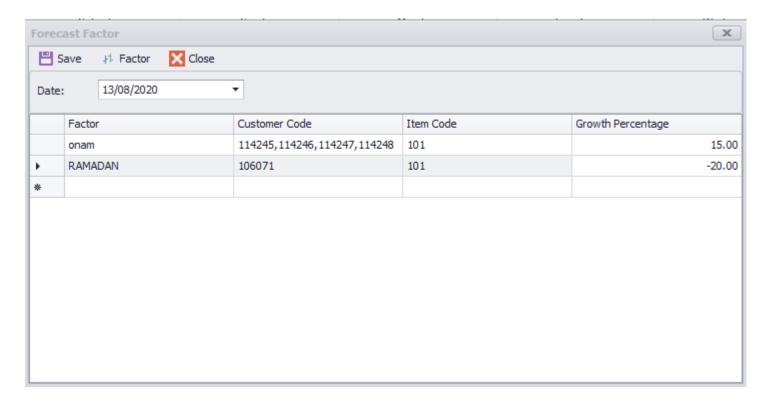
Factor Master can be created(Factor Name)





### CALENDAR MANAGEMENT

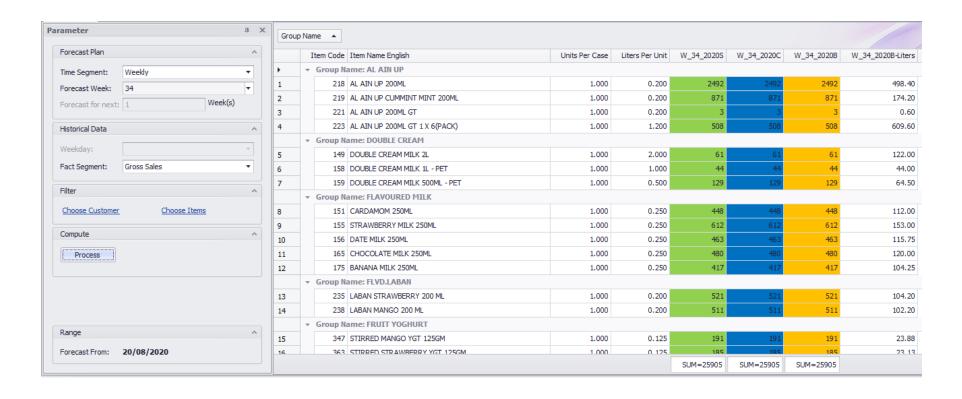
- Manage Calendar
- Assign Factor to a specific day(Customer, Items, Growth Percentage)





### FORECAST CREATION

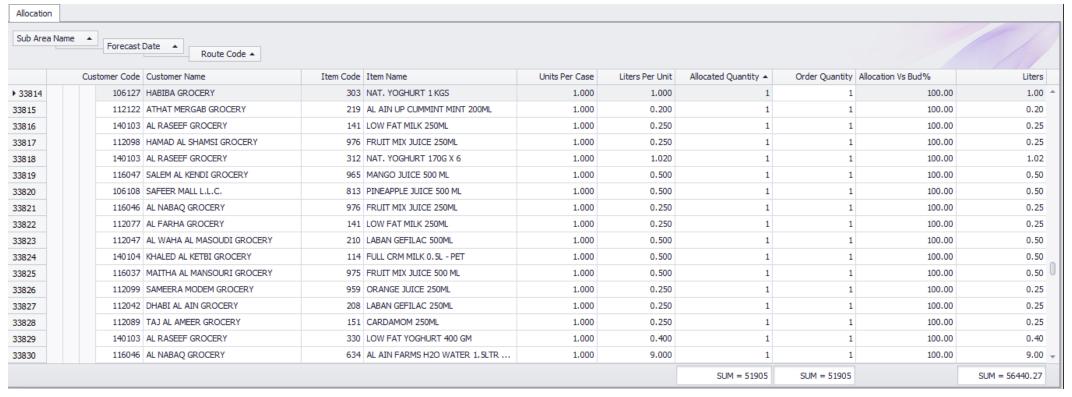
Statistical, Consensus and Baseline





### FORECAST ALLOCATION

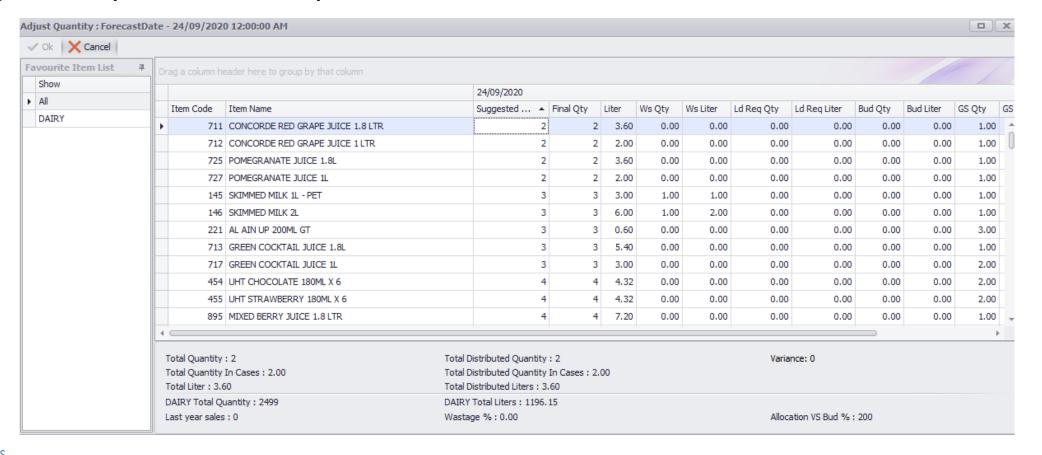
- By Location, Item, Date Hierarchy
- Allocation By Customer





### FORECAST ADJUSTMENT

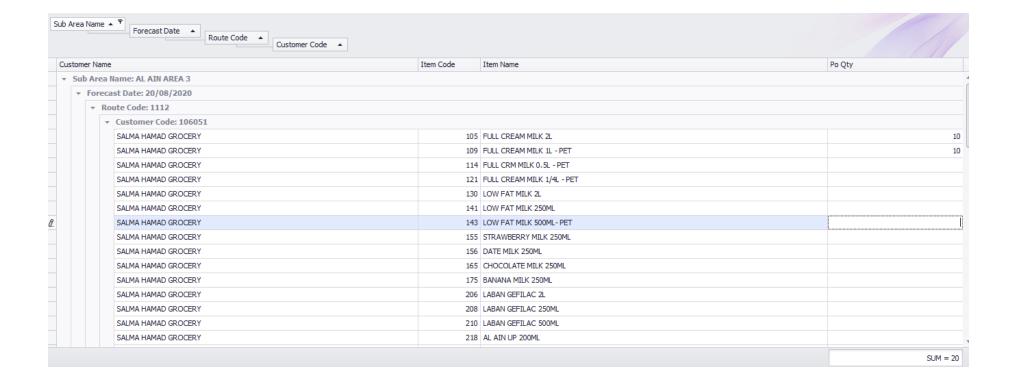
Allocation adjustment by selected hierarchy





### PURCHASE ORDER

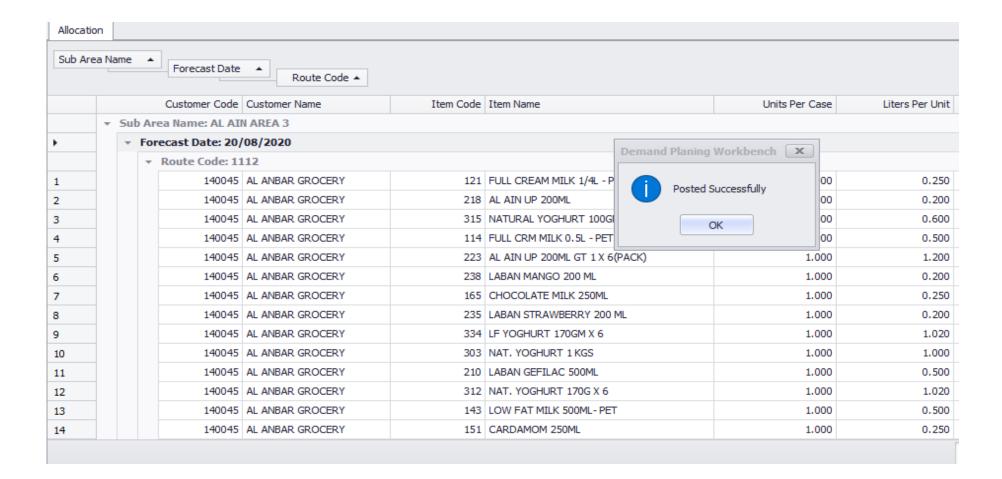
Purchase order entry





### ALLOCATION POSTING

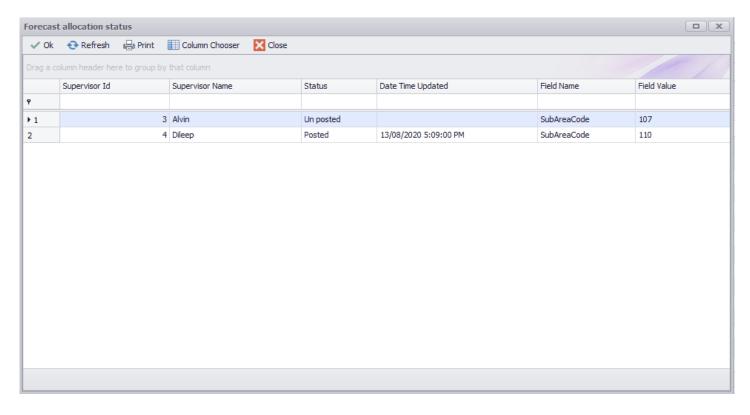
#### Final allocation





## SUBAREA POSTING STATUS

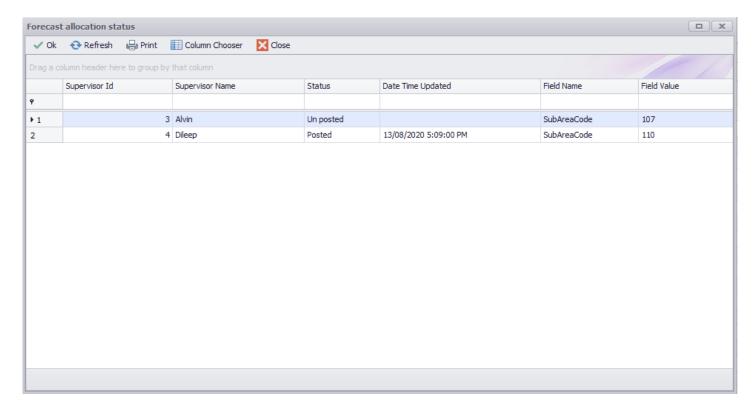
 Verification by Area Managers if all Supervisors Finished their allocation or not.





## AREA POSTING STATUS

 Verification by Demand Planner if all Area Managers finalized the Allocation.





### PRODUCTION PLAN

- Create and Manage Production Plan
- By Date/Item/Item Group





### AMMENDMENT

- If there any PO coming, after submitting the production Plan, it should be done by Supervisors using Amendment Screen.
- Reason should be mandatory for each amendment.
- Area Manager will approve the amendment.
- After Area Manager approve the amendment, Demand Planner can approve or reject amendment with reason.
- After sending the amendment to plant, plant manager should also approve or reject with reason.
- A confirmation email will send to the supervisors for the amendment.



# DISTRIBUTION PLAN

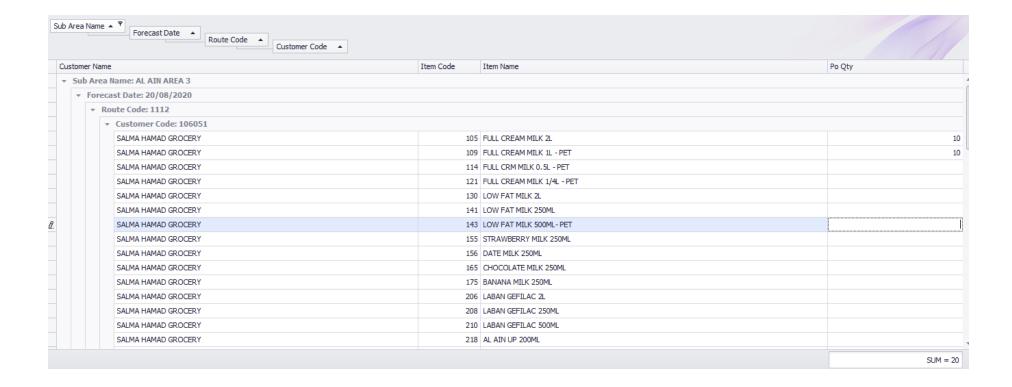
- By Location Hierarchy
- By Customer Hierarchy
- By Item Hierarchy

| Exclusion Type | Forecast Date | Route Code | Customer Code | Customer Name               | Item Code | Item Name                  | Units Per Case | Liters Per Unit | Planned Quantity | Load Quantity | Liters         |
|----------------|---------------|------------|---------------|-----------------------------|-----------|----------------------------|----------------|-----------------|------------------|---------------|----------------|
|                | 27/08/2020    | 1101       | 31001         | AL AIN CO-OPERATIVE SOCIETY | 101       | FULL CREAM MILK GALLON     | 1.000          | 3.785           | 2                | 2             | 7.57           |
|                | 27/08/2020    | 1101       | 31001         | AL AIN CO-OPERATIVE SOCIETY | 105       | FULL CREAM MILK 2L         | 1.000          | 2.000           | 3                | 3             | 6.00           |
|                | 27/08/2020    | 1101       | 31001         | AL AIN CO-OPERATIVE SOCIETY | 109       | FULL CREAM MILK 1L - PET   | 1.000          | 1.000           | 1                | 1             | 1.00           |
|                | 27/08/2020    | 1101       | 31001         | AL AIN CO-OPERATIVE SOCIETY | 114       | FULL CRM MILK 0.5L - PET   | 1.000          | 0.500           | 2                | 2             | 1.00           |
|                | 27/08/2020    | 1101       | 31001         | AL AIN CO-OPERATIVE SOCIETY | 121       | FULL CREAM MILK 1/4L - PET | 1.000          | 0.250           | 2                | 2             | 0.50           |
|                | 27/08/2020    | 1101       | 31001         | AL AIN CO-OPERATIVE SOCIETY | 130       | LOW FAT MILK 2L            | 1.000          | 2.000           | 1                | 1             | 2.00           |
|                | 27/08/2020    | 1101       | 31001         | AL AIN CO-OPERATIVE SOCIETY | 137       | LOW FAT MILK 1L - PET      | 1.000          | 1.000           | 1                | 1             | 1.00           |
|                | 27/08/2020    | 1101       | 31001         | AL AIN CO-OPERATIVE SOCIETY | 141       | LOW FAT MILK 250ML         | 1.000          | 0.250           | 1                | 1             | 0.25           |
|                | 27/08/2020    | 1101       | 31001         | AL AIN CO-OPERATIVE SOCIETY | 143       | LOW FAT MILK 500ML-PET     | 1.000          | 0.500           | 1                | 1             | 0.50           |
|                | 27/08/2020    | 1101       | 31001         | AL AIN CO-OPERATIVE SOCIETY | 145       | SKIMMED MILK 1L - PET      | 1.000          | 1.000           | 0                | 0             | 0.00           |
|                | 27/08/2020    | 1101       | 31001         | AL AIN CO-OPERATIVE SOCIETY | 146       | SKIMMED MILK 2L            | 1.000          | 2.000           | 0                | 0             | 0.00           |
|                | 27/08/2020    | 1101       | 31001         | AL AIN CO-OPERATIVE SOCIETY | 149       | DOUBLE CREAM MILK 2L       | 1.000          | 2.000           | 1                | 1             | 2.00           |
|                | 27/08/2020    | 1101       | 31001         | AL AIN CO-OPERATIVE SOCIETY | 151       | CARDAMOM 250ML             | 1.000          | 0.250           | 1                | 1             | 0.25           |
|                | 27/08/2020    | 1101       | 31001         | AL AIN CO-OPERATIVE SOCIETY | 155       | STRAWBERRY MILK 250ML      | 1.000          | 0.250           | 1                | 1             | 0.25           |
|                | 27/08/2020    | 1101       | 31001         | AL AIN CO-OPERATIVE SOCIETY | 156       | DATE MILK 250ML            | 1.000          | 0.250           | 1                | 1             | 0.25           |
|                | 27/08/2020    | 1101       | 31001         | AL AIN CO-OPERATIVE SOCIETY | 158       | DOUBLE CREAM MILK 1L - PET | 1.000          | 1.000           | 0                | 0             | 0.00           |
|                | 27/08/2020    | 1101       | 31001         | AL AIN CO-OPERATIVE SOCIETY | 159       | DOUBLE CREAM MILK 500ML    | 1.000          | 0.500           | 1                | 1             | 0.50           |
|                | 27/08/2020    | 1101       | 31001         | AL AIN CO-OPERATIVE SOCIETY | 165       | CHOCOLATE MILK 250ML       | 1.000          | 0.250           | 1                | 1             | 0.25           |
|                |               |            |               |                             |           |                            |                |                 |                  |               |                |
|                |               |            |               |                             |           |                            |                |                 | SUM = 34580      | SUM = 34580   | SUM = 19481.24 |



# PURCHASE ORDER

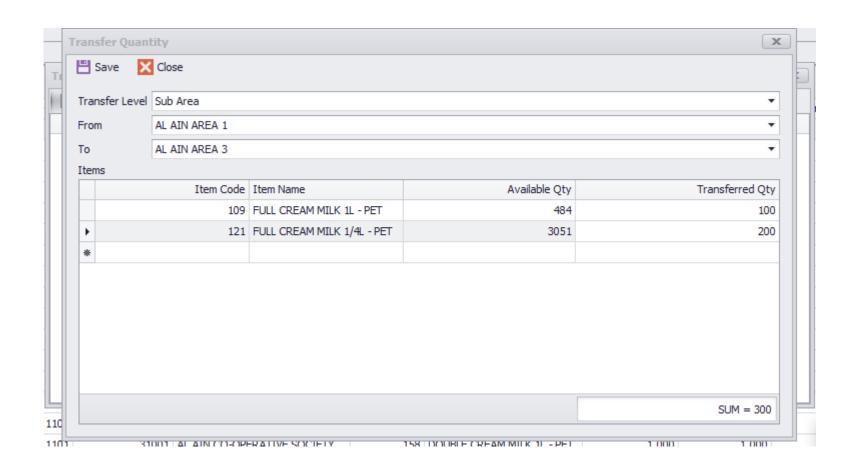
Purchase order entry in distribution





# TRANSFER

Sub Area and Route Transfer

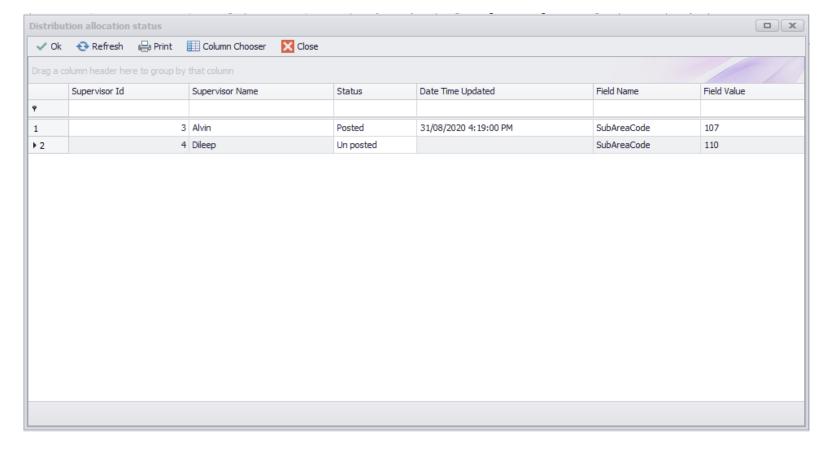




### SUBAREA POSTING STATUS

Verification by Area Managers if all Supervisors Finished

their distribution or not.

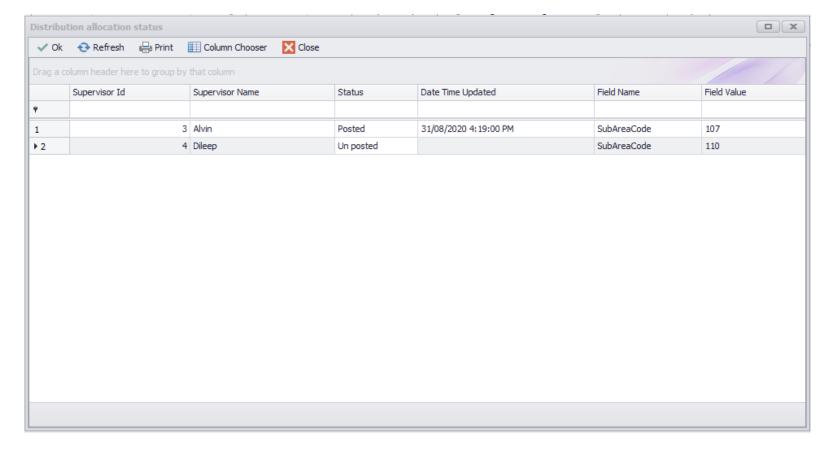




### AREA POSTING STATUS

Verification by Warehouse Manager if all Area Managers

finalized the distribution.





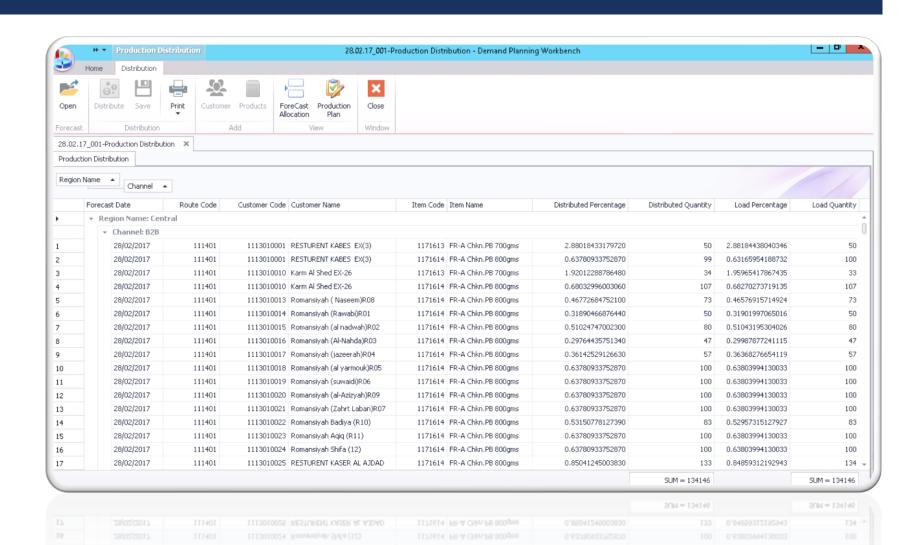
# LOAD CREATION

### Van Load

|          | equest Date 🔺                   |           |                               |             |                |
|----------|---------------------------------|-----------|-------------------------------|-------------|----------------|
|          | Route Code 🔺                    | Item Code | Item Name English             | Qty         | Qty In Liters  |
| <b>•</b> | * Load Request Date: 27/08/2020 |           |                               |             |                |
| 1        | 1101                            | 101       | FULL CREAM MILK GALLON        | 8           | 30.28          |
| 2        | 1101                            | 105       | FULL CREAM MILK 2L            | 28          | 56.00          |
| 3        | 1101                            | 109       | FULL CREAM MILK 1L - PET      | 12          | 12.00          |
| 4        | 1101                            | 114       | FULL CRM MILK 0.5L - PET      | 76          | 38.00          |
| 5        | 1101                            | 121       | FULL CREAM MILK 1/4L - PET    | 60          | 15.00          |
| 6        | 1101                            | 130       | LOW FAT MILK 2L               | 6           | 12.00          |
| 7        | 1101                            | 137       | LOW FAT MILK 1L - PET         | 7           | 7.00           |
| 8        | 1101                            | 141       | LOW FAT MILK 250ML            | 14          | 3.50           |
| 9        | 1101                            | 143       | LOW FAT MILK 500ML- PET       | 13          | 6.50           |
| 10       | 1101                            | 145       | SKIMMED MILK 1L - PET         | 0           | 0.00           |
| 11       | 1101                            | 146       | SKIMMED MILK 2L               | 1           | 2.00           |
| 12       | 1101                            | 149       | DOUBLE CREAM MILK 2L          | 2           | 4.00           |
| 13       | 1101                            | 151       | CARDAMOM 250ML                | 15          | 3.75           |
| 14       | 1101                            | 155       | STRAWBERRY MILK 250ML         | 19          | 4.75           |
| 15       | 1101                            | 156       | DATE MILK 250ML               | 18          | 4.50           |
| 16       | 1101                            | 158       | DOUBLE CREAM MILK 1L - PET    | 1           | 1.00           |
| 17       | 1101                            | 159       | DOUBLE CREAM MILK 500ML - PET | 12          | 6.00           |
|          |                                 |           |                               | SUM = 34915 | SUM = 20294.89 |

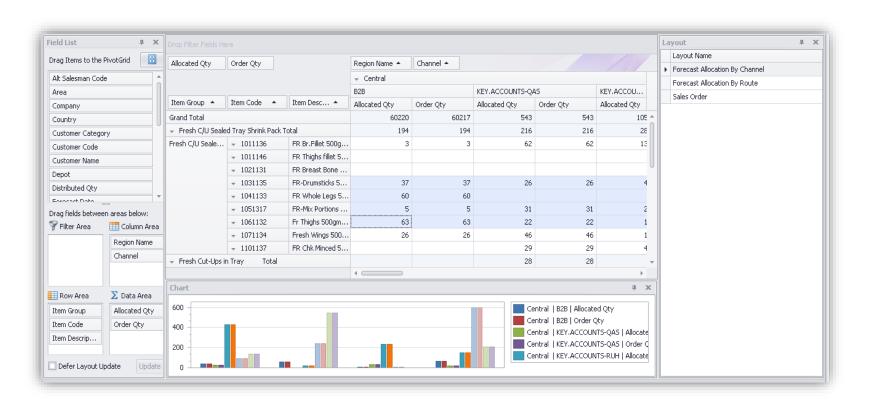
### **EXPORT**

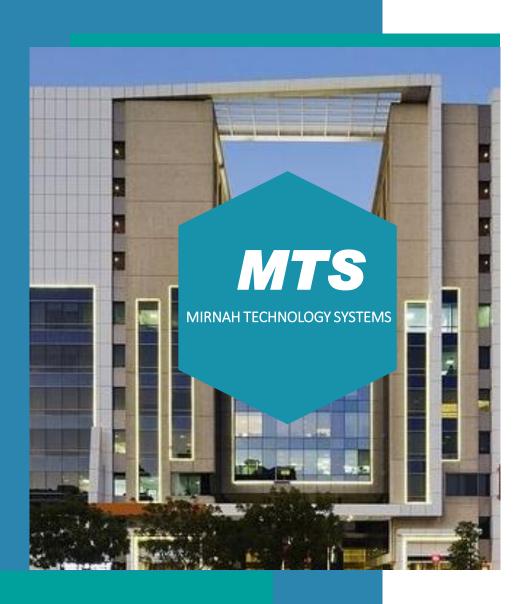
- Van Load
- Suggested Sales Quantity



### DASHBOARDS & REPORTS

- Pivot analysis on Forecast, Allocation, Distribution
- Dynamic Charts
- Location and Item Hierarchy





# Thank You.

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