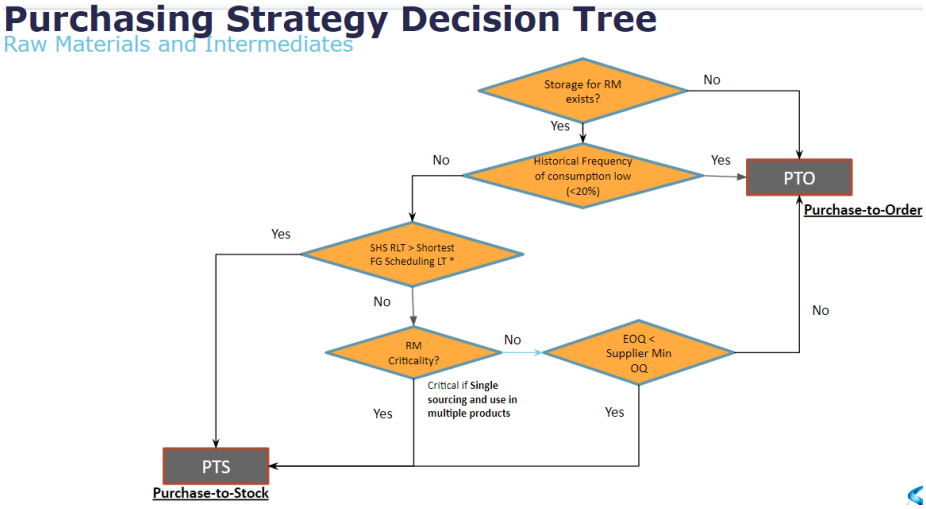
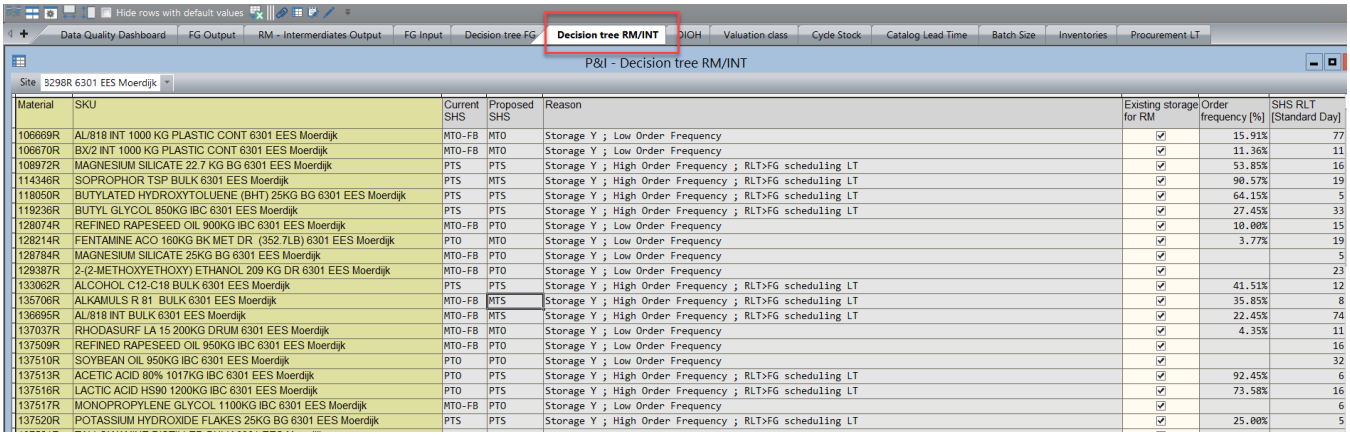
a. Review RM & Int Inputs



"Decision tree for Raw Materials & Intermediates" in DynaSys

In DynaSys P&I, it corresponds to the tab "Decision tree FG" inside the workspace "PI - FG"



Hide rows with default values

Data Quality Dashboard | FG Output | RM - Intermediates Output | FG Input | Decision tree FG | **Decision tree RM/INT** | DIOH | Valuation class | Cycle Stock | Catalog Lead Time | Batch Size | Inventories | Procurement LT

P&I - Decision tree RM/INT

Site: 3298R 6301 EES Moerdijk

Material	SKU	Current SHS	Proposed SHS	Reason	Existing storage for RM	Order frequency [%]	SHS RLT [Standard Day]
106669R	AL/818 INT 1000 KG PLASTIC CONT 6301 EES Moerdijk	MTO-FB	MTO	Storage Y ; Low Order Frequency	☑	15.91%	77
106670R	BX/2 INT 1000 KG PLASTIC CONT 6301 EES Moerdijk	MTO-FB	MTO	Storage Y ; Low Order Frequency	☑	11.36%	11
108972R	MAGNESIUM SILICATE 22.7 KG BG 6301 EES Moerdijk	PTS	PTS	Storage Y ; High Order Frequency ; RLT>FG scheduling LT	☑	53.85%	16
114346R	SOPROPHOR TSP BULK 6301 EES Moerdijk	PTS	MTS	Storage Y ; High Order Frequency ; RLT>FG scheduling LT	☑	90.57%	19
118050R	BUTYLATED HYDROXYTOLUENE (BHT) 25KG BG 6301 EES Moerdijk	PTS	PTS	Storage Y ; High Order Frequency ; RLT>FG scheduling LT	☑	64.15%	5
119236R	BUTYL GLYCOL 850KG IBC 6301 EES Moerdijk	PTS	PTS	Storage Y ; High Order Frequency ; RLT>FG scheduling LT	☑	27.45%	33
128074R	REFINED RAPESEED OIL 900KG IBC 6301 EES Moerdijk	MTO-FB	PTO	Storage Y ; Low Order Frequency	☑	10.00%	15
128214R	FENTAMINE ACO 160KG BK MET DR (352.7LB) 6301 EES Moerdijk	PTO	MTO	Storage Y ; Low Order Frequency	☑	3.77%	19
128784R	MAGNESIUM SILICATE 25KG BG 6301 EES Moerdijk	MTO-FB	PTO	Storage Y ; Low Order Frequency	☑		5
129387R	2-(2-METHOXYETHOXY) ETHANOL 209 KG DR 6301 EES Moerdijk	MTO-FB	PTO	Storage Y ; Low Order Frequency	☑		23
133062R	ALCOHOL C12-C18 BULK 6301 EES Moerdijk	PTS	PTS	Storage Y ; High Order Frequency ; RLT>FG scheduling LT	☑	41.51%	12
135706R	ALKAMULS R 81 BULK 6301 EES Moerdijk	MTO-FB	MTS	Storage Y ; High Order Frequency ; RLT>FG scheduling LT	☑	35.85%	8
136695R	AL/818 INT BULK 6301 EES Moerdijk	MTO-FB	MTS	Storage Y ; High Order Frequency ; RLT>FG scheduling LT	☑	22.45%	74
137037R	RHODASURF LA 15 200KG DRUM 6301 EES Moerdijk	MTO-FB	MTO	Storage Y ; Low Order Frequency	☑	4.35%	11
137509R	REFINED RAPESEED OIL 950KG IBC 6301 EES Moerdijk	MTO-FB	PTO	Storage Y ; Low Order Frequency	☑		16
137510R	SOYBEAN OIL 950KG IBC 6301 EES Moerdijk	PTO	PTO	Storage Y ; Low Order Frequency	☑		32
137513R	ACETIC ACID 80% 1017KG IBC 6301 EES Moerdijk	PTO	PTS	Storage Y ; High Order Frequency ; RLT>FG scheduling LT	☑	92.45%	6
137516R	LACTIC ACID HS90 1200KG IBC 6301 EES Moerdijk	PTO	PTS	Storage Y ; High Order Frequency ; RLT>FG scheduling LT	☑	73.58%	16
137517R	MONOPROPYLENE GLYCOL 1100KG IBC 6301 EES Moerdijk	MTO-FB	PTO	Storage Y ; Low Order Frequency	☑		6
137520R	POTASSIUM HYDROXIDE FLAKES 25KG BG 6301 EES Moerdijk	PTS	PTS	Storage Y ; High Order Frequency ; RLT>FG scheduling LT	☑	25.00%	5

KPI	Definition
Proposed SHS	The Proposed Stock Holding Strategy (SHS) represents the output of the Decision tree in DynaSys by considering all the different criteria (see "Decision tree for RN & Intermediates definition" above). This Proposed SHS will be used into calculating the "Cycle Stock proposed", "Safety Stock proposed" and "Target stock proposed", and compare them to the existing current Cycle, Safety and Target stock. Example values : for Raw Materials, possible values are PTO and PTS. For intermediates, possible values are MTO, MTO-FB and MTS.
Reason	It gives the reason of the proposed SHS, to guide the user as to why the SHS is proposed. It represents the different decision nodes of the Decision tree. Example: for Proposed SHS = PTS, a reason code could be "Storage Y ; High Order Frequency ; RLT>FG scheduling LT". . Another example, now for Proposed SHS = PTO, it's the reason = "Storage Y ; Low Order Frequency".

Existing storage for RM	This has to be manually input by user, by default it's equal to TRUE (i.e., a storage for RM exists). If no storage exists, it can be easily untick by user. Possible values: True (Storage exists) / False (no storage exists).
Order frequency %	For the Raw Materials & Intermediates it represents the Historical Demand (consumption + demand to other Solvay sites). It's calculated in DynaSys based on last 12 months demand, and represents Number of weeks with Demand / Number of weeks in the year. The Demand includes both Independent demand (to other Solvay sites) + Dependent demand (internal consumption/use inside a site).
SHS RLT	It's calculated in DynaSys and represents the Strategy-dependent Replenishment Lead time. Represents the total time between placing a production / replenishment order and the availability date. It considers other BOM levels lead times (multi level) + distribution network (multi sites) and stock holding strategies. More info in: Monolevel & SHS RLT
Shortest FG SLT	The "Shortest FG SLT" is calculated in DynaSys and represents the lowest Administrative Scheduling LT of the Parent products (n+1 level in the BOM). It can be thought sort of a "Catalog LT" for Components. > It's important to note that here we are talking about the administrative Scheduling LT (related to but not exactly equal to the notion of 'Scheduling LT' in SAP). > By default, all the Intermediates & Finish Good have a "Scheduling LT" of 3, but it can be forced to a different value inside DynaSys.
Critical RM	It's calculated in DynaSys. A Raw Material/Intermediate is critical if one of the following conditions is fulfilled: > It has only one vendor (Supplier). The 'Number of vendors' is calculated from SAP Purchasing Source list. For more info, please consult functional section Purchased LT > It's used in more than 5 Parents. This information is known thanks to the BOM of SAP.
EOQ	It's calculated in DynaSys and represents the Economic Order Quantity (EOQ), i.e., the optimal quantity to buy in order to minimize the total costs of inventory It will be compared to the the Min
Min Order Quantity	Used for Raw Material, this notion comes from SAP (Purchase Info record) and is determined by the supplier. If the EOQ is smaller than the min order quantity stock will need to be held to ensure enough supply
Max Order Quantity	Used for Raw Material, this notion comes from SAP (Purchase Info record) and is determined by the supplier. if the EOQ exceeds the max order quantity, stocks will have to be held to ensure enough stocks available.
Batch size	It comes from SAP and is the same used in DiP screens. More info in Distribution multiple priorities page.