

# 4.1.2a - Master Tables coming in DiP-PP

Master Data : DynaSys hierarchies Detailed and Aggregated levels

Master Tables : Hierarchies

Master Data : Site

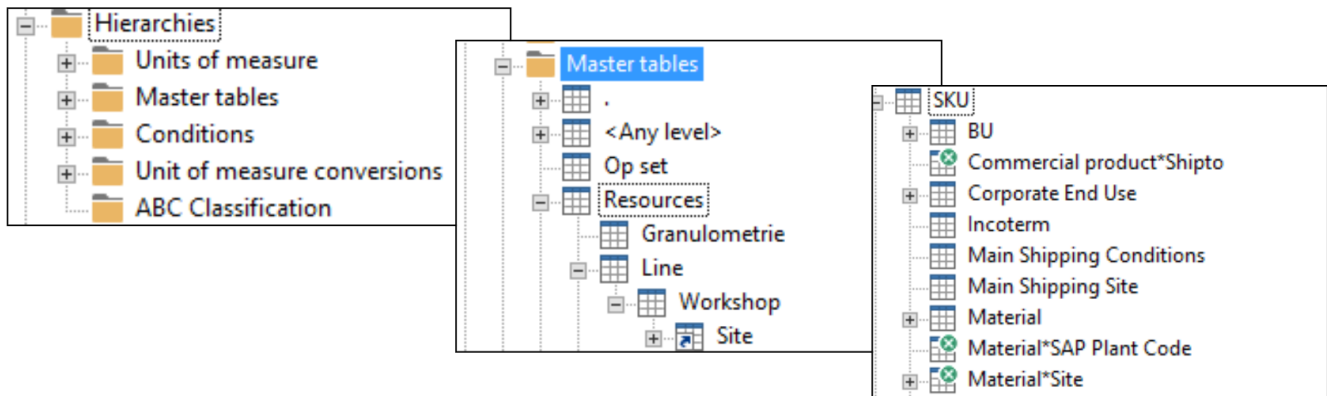
Sites

Master Data : SKU

SKUs

## Master Tables : Hierarchies

- From the most detailed levels (**SKU**) to aggregated ones (Business Unit, Family etc...)
- Hierarchies lists Materials, but also Sites, Ressources



## Master Data : Site

A site can be :

- SHIP TO
- PRODUCTION PLANT
- WAREHOUSE (Terminal)
- TRADING PLANT
- SUB CONTRACTING PLANT

Code	Name	Short name
NDEP	WAREHOUSE	TERMINAL
NDIR	DIRECT TRADING	TRADING
PROD	PROD	PROD
SSTT	SUB CONTRACTING	SUB CONTRACTING

- The Ship To are imported from **DynaSys DP (DFU)**
- The other sites are the division in SAP (based on the plant listed) and imported from SAP

PROD	SUB CONTRACTING	WAREHOUSE	DIRECT TRADING
5851 / 4 / 10	5851 / 4 / 10	5851 / 4 / 10	5851 / 4 / 10
Site	Site	Site	Site
⊕0242R 7424 Baton Rouge	⊕7700R ZFR3 / Addivant France Catenoy	⊕0297R 7424 / Jacobson La Porte	7329R ZFR3 / Négoce FR
⊕7666R ZFR3 Melle	7854R ZFR3 / Externe ADPO Kallo	⊕7705R 6859 / Solvay Shanghai Int Trd	7390R ZFR3 / Négoce Hors UE
⊕7681R ZFR3 St. Fons	⊕7900R 7424 / Chempak Houston	⊕7712R 7418 / Tokyo	⊕7917R 7424 / Trading USA
⊕7897R 7811 Zhenjiang	⊕8045R 6062 / Tsao Chem Ph Shanghai	⊕7719R 7418 / Chikko Corp - Yokohama	
⊕8371R 7008 Mount Pleasant	⊕8046R 6062 / ZJ Yuchuang Shaoxing	⊕7722R 7418 / Enex Co Ltd	
		⊕7727R 7418 / Takara Petroleum & Chem	
		⊕7777R 7418 / Tokyo Port	

## Sites

Producer	<ul style="list-style-type: none"> <li>A production site or supplier, and the highest network level</li> </ul>
Shipping site	<ul style="list-style-type: none"> <li>Production sites, warehouses or intermediate platforms</li> </ul>
Receiving site	<ul style="list-style-type: none"> <li>Customer or distribution centers</li> </ul>
Seller	<ul style="list-style-type: none"> <li>Sites that sell directly to final customers, the first level of the network</li> </ul>

Type of site	Site	WAREHOUSE USE	SHIPTO
		⊕0232R 7525 / Seoul	⊕1064R RHODIA COLOMBIA LTDA
		⊕7510R 7424 / Illiana Hammond	1139R OROKIA ISRAEL LTD
		⊕7705R 6859 / Solvay Shanghai Int Trd	⊕2000018R MINERACAO MARACA IND E COM SA
		⊕7712R 7418 / Tokyo	2000393R ITALMATCH CHEMICALS SPA
		⊕7719R 7418 / Chikko Corp - Yokohama	2000448R AUGMENTUS NORTH AMERICA LLC
		⊕7720R 7418 / Mitsui Kinjo	2001680R JOHOKU CHEMICAL CO.,LTD.
		⊕7777R 7418 / Tokyo Port	2002708R TEIXEIRA PINTO QUIMICA INDUSTRIAL
		⊕7779R 7418 / Yokohama Port	2003470R BASF CORP
		⊕7787R 7418 / Nagoya Port	2003549R CLARIANT CORP
		⊕7789R 7418 / Osaka Port	2003554R 3M CO
		⊕7790R 7418 / Kobe Port	2003632R LUBRIZOL ADVANCED MATERIALS INC
		⊕7801R 7418 / Moji Port	2003813R BENJAMIN MOORE & CO
		⊕7802R 7418 / Tokyo Airport	2003839R CALLAHAN CHEMICAL CO
			2003841R CALLAHAN CHEMICAL CO
PROD	⊕0257R 7424 Marcus Hook		
	⊕7512R ZFR3 Clamecy		
	⊕7515R 7523 Santo André - UTSA		
	7603R 7525 Ulsan		
	⊕8356R 7723 Atequiza		
	⊕8357R 7725 Antofagasta		
	⊕8359R 7008 Willow Island		
	⊕8371R 7008 Mount Pleasant		

## Master Data : SKU

### SKU : Material@Site

- **SKU (Stock-Keeping Unit)** is the combination of a Material and a Location (either plant, warehouse, ship-to)
- A SKU can be :
  - Material@ship-to
  - Material@prodplant
  - Material@warehouse
  - ...
- This will enable the system to create a network

## SKUs

### SKU : Material@Site

146965R@0242R	RHOVEA - 25KG DRUM/PAL.225KG7424 Baton Rouge
146965R@2005215R	RHOVEA - 25KG DRUM/PAL.225KGPROCTER & GAMBLE CO
146965R@2008372R	RHOVEA - 25KG DRUM/PAL.225KGPROCTER & GAMBLE CO
146965R@2034874R	RHOVEA - 25KG DRUM/PAL.225KGPROCTER & GAMBLE INTERNATIONAL
146965R@7681R	RHOVEA - 25KG DRUM/PAL.225KGZFR3 St. Fons
146965R@8020R	RHOVEA - 25KG DRUM/PAL.225KG7424 / Great Lakes Calumet
146965R@8021R	RHOVEA - 25KG DRUM/PAL.225KG7424 / Linden Warehouse & Dist
146965R@8156R	RHOVEA - 25KG DRUM/PAL.225KG6062 / Schenker S Pte Singapor
146965R@8394R	RHOVEA - 25KG DRUM/PAL.225KG7424 / Safe Energy
146965R@84554R	RHOVEA - 25KG DRUM/PAL.225KGPROCTER & GAMBLE MANUFACTURING

- SKU can be aggregated by Material (or other level)

2183	Code	Name	Aggregated level	Aggregated level	CAA	A	A	Aggregated level	A	A	A	Aggregated level	Aggregated level	Agg
			Product group	Division	ICCS	S	Enterprise Material Group	FI	F	M	Packing type	Tactical Material	Fan	
80	35027S	H202 ST-300	181	I3S			Z21-20796				GR	H202_BU		
81	35028S	H202 ST-350	181	I3S			Z21-20797				GR	H202_BU		
82	35029S	H202 ST-500	181	I3S			Z21-20798				GR	H202_BU		
83	35031S	H202 ST-700	181	I3S			Z21-20800				GR	H202_BU		
84	42479S	H202 ST-500X	181	I3S			Z21-24530				GR	H202_BU		
85	48792S	H202 ST-600X	181	I3S			Z21-29453				GR	H202_BU		
86	49367S	H202 CC 50-20 *CUP	181	I3S			Z21-29832				GR	H202_BU		
87	49369S	H202 CC 60-20 *CUP	181	I3S			Z21-29834				GR	H202_BU		
88	49370S	H202 CC 70-20 *CUP	181	I3S			Z21-29835				GR	H202_BU		

## Material

### Detailed and Aggregated levels

- Several aggregated levels by material

Code	Name	Aggregated level	Aggregated level	CA
		Product group	Division	IO
60101S	SDN CHEM GR *GRM [LB]	MK	ADS	
60102S	SDN REG D *GRM [LB]	MK	ADS	
60106S	SDN REG D *GRM CS2000LB MVSH P	MK	ADS	
60108S	SDN REG D *GRM S50LB 2PA P2450	MK	ADS	

- Conditions can be created for filtering data

Condition	Condi	Condition
IsUSMaterial	I0042	IsUSSodaAsh
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

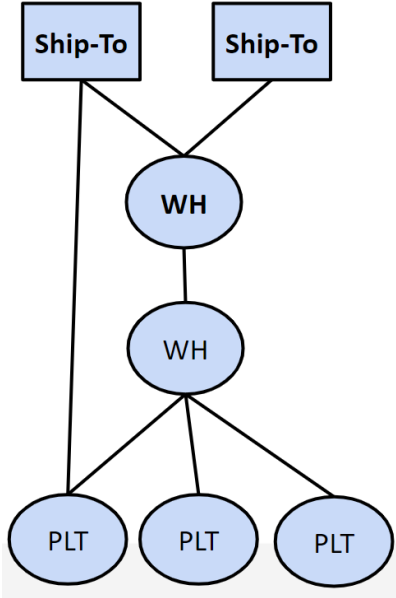
- Aggregated levels allow to group data

Forecasts										
Unconstraint demand from DP [KG]										
628 / 21 / 1		Horizon								
Material	SKU	M09-2016	M10-2016	M11-2016	M12-2016	M01-2017	M02-2017	M03-2017	M04-2017	M05
<input checked="" type="checkbox"/>	198720S SDN REG D *GRM S25	Total 198720S SDN RE	46 300	28 500	55 000	55 000	81 000	64 000	46 000	29 000
<input checked="" type="checkbox"/>	198722S SDN REG D *GRM S1000	Total 198722S SDN RE	30 000	30 000	30 000	20 000	12 000	30 000	30 000	
<input checked="" type="checkbox"/>	51695S SDN REG *ZZ [LB]	Total 51695S SDN RE						12 000 000		
<input checked="" type="checkbox"/>	60101S SDN CHEM GR *GRM [LB]	Total 60101S SDN CH	3 110 903	4 656 852	3 977 683	3 659 745	3 332 362	3 529 240	3 939 582	3 830 664
<input checked="" type="checkbox"/>	60102S SDN REG D *GRM [LB]	Total 60102S SDN RE	32 850 621	32 274 741	33 806 716	199 221 380	203 441 604	161 857 994	207 412 194	152 694 134
<input checked="" type="checkbox"/>	60106S SDN REG D *GRM CS2000LB MVSH P	Total 60106S SDN RE	58 968		19 051	389 691	809 044	370 056	326 520	254 867
<input checked="" type="checkbox"/>	60108S SDN REG D *GRM S50LB 2PA P2450	Total 60108S SDN RE	76 681	60 011	20 004	696 059	693 312	522 203	587 759	488 871
<input checked="" type="checkbox"/>	60109S SDN REG D *GRM S100LB 2PA P2500	Total 60109S SDN RE				19 274				
<input checked="" type="checkbox"/>	65286S SDN REG D *GRM CS400 MVSH P800	Total 65286S SDN RE				36 280		12 797	26 394	14 397

# ARC

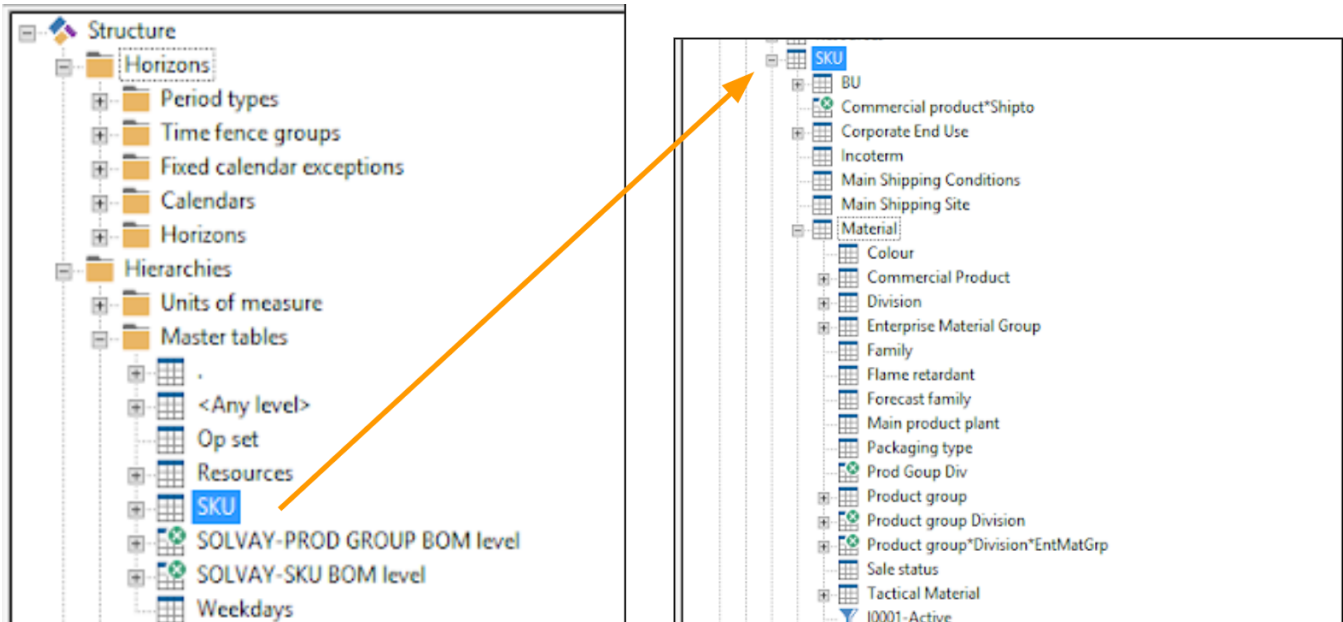
## ARC : Flow between 2 SKUs

- ARC are the link between 2 SKUs



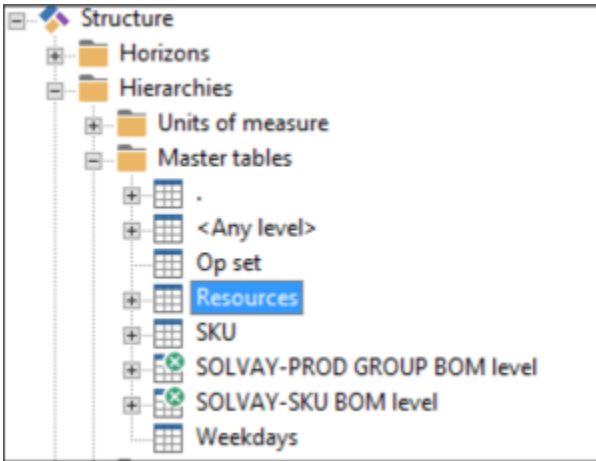
# Hierarchies

## Detailed and Aggregated levels



# Resources Setup

Resources are set up in Hierarchies:



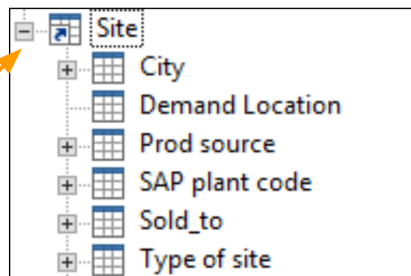
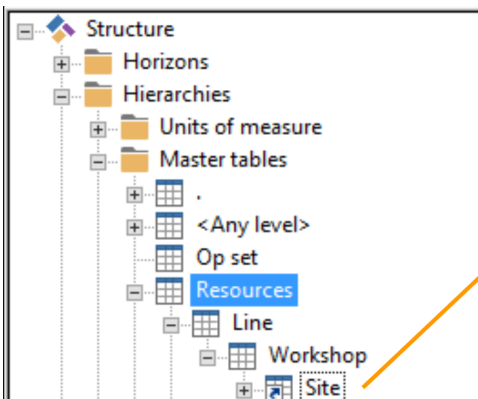
X3-H202	PRODUCCION H202 DIST	JEIS -	PRODUCCION H202 DIST	X3-H202@JEIS	<input checked="" type="checkbox"/>
X3-H202C	PRODUCCION H202 CRUDE	JEIS -	PRODUCCION H202 CRUDE	X3-H202C@JEIS	<input checked="" type="checkbox"/>
X3-TAB	PRODUCCION H202	JEIS -	PRODUCCION H202	X3-TAB@JEIS	<input checked="" type="checkbox"/>
H202_ABF	H202 Abfüllung Bernburg	BBAIS	H202 Abfüllung Bernburg	H202_ABF@BBAIS	<input checked="" type="checkbox"/>

Resource codes and names

Flag = Resource is active

### Hierarchies - Resources

- Resources can be aggregated by **Line / Workshops** ...
- There is also a link made towards Sites --> **Resources** hierarchy inherits from **Site** aggregated levels



### Resources

Resources Detail = Resource @ Site

VKPS - PRODUCTION PAA	VO-PAA@VKPS
JEIS - EMB H2O2	X3-EH2O2@JEIS
JEIS - PRODUCCION H2O2 DIST	X3-H2O2@JEIS
JEIS - PRODUCTION H2O2 CRUDE	X3-H2O2C@JEIS
JEIS - PRODUCCION H2O2	X3-TAB@JEIS
BBAIS - H2O2 Abfüllung Bernburg	H2O2_ABF@BBAIS
BBAIS - H2O2 Destillation Bernburg	H2O2_DES@BBAIS
BBAIS - H2O2 Electronic Grade Bernburg	H2O2_EG@BBAIS

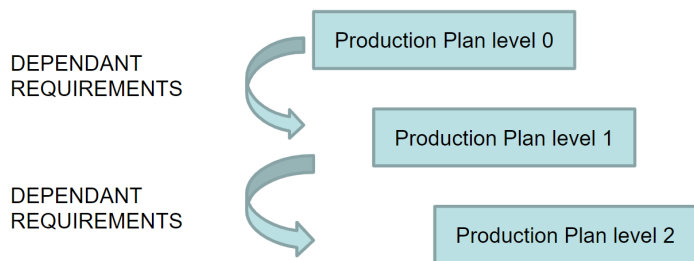
Aggregated level example = Workshops / Sites

Code	Nam	Short name	Site
CH-BPAA@LHCIS			LHCIS
CH-RO@LHCIS			LHCIS
CH-TAB@LHCIS			LHCIS
CH-VAQ@LHCIS			LHCIS
CH-VH2O2@LHCIS			LHCIS
CH-VPAA@LHCIS			LHCIS
XR-H2O2@ROIS			ROIS
XR-H2O2C@ROIS			ROIS
XR-H2O2E@ROIS			ROIS
XR-PAA@ROIS			ROIS
VO-AH2O2@VKPS			VKPS
VO-APAA@VKPS			VKPS

## Planning level

The Planning level will define the level of the SKU in the MRP calculation

Code	Name	Sho	IO	IO	Mate	Sit	M	Aggregated level	Pl
35027S@JEIS	H2O2 ST-300SCHM-BE /JEMEPPE-SAMBRE		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	####	##	##	Level 0	
97807R@7528R	BS 1257580 PaulÃ-nia		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	####	##	##	Level 1	
35028S@JEIS	H2O2 ST-350SCHM-BE /JEMEPPE-SAMBRE		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	####	##	##	Level 1	
31851S@TOSAS	SLSLVQ-ES /TORRELAVEGA (SOD)		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	####	##	##	Level 1	



## Component condition

Code	Name	Short	MSMPS	SE	Condition	IsComponent coproduct
350275@JEIS	H202 ST-300SCHM-BE / JEMEPPE-SAMBRE		###	#		<input checked="" type="checkbox"/>
100550001700	TTXOSTL 68 PP 700 KG / (HOMOLOGATION) 68 / H202		###	#		<input type="checkbox"/>

