

CAXperts

Plant IT-Solutions

MaterialsSystem Reporter for SmartPlant® Materials

Features:

- Intuitive ad hoc reporting and filtering of materials system data
- Extraction of any data from SmartPlant® Materials into a standalone database (mdb)
- Extracted materials system data can be used offline on any location
- Supports country specific reporting requirements (UNI-code support)
- Company specific customizations are possible for the materials system data extraction

Benefits:

- Designed as an end-user tool
- No programming knowledge required to design reports
- Allows users to customize individual report designs based on Excel templates
- Data can be used independently of the materials system access
- Reduction of costs to create reports



MaterialsSystemReporter

There are two modules to this reporting tool, the data extractor and the reporting module.

The extractor module allows the extraction of all required materials system data for an individual project into a simple database file. The data views for the extraction can be customized to be company specific. A UNI-code enabled glossary can be defined for the views and columns. The database file can be used on any computer, offline to the materials system.

The reporter module allows the end user, using an intuitive GUI, to define individual data views on the extracted data and build their own individual ad hoc view of the data to sort and filter it. An export function allows the export of the data into Excel. Using templates, the data is formatted into powerful reports. These reports can be also exported to PDF files or other file formats supported by Excel.

MaterialsSystemReporter

Customers benefit from the ease-of-use and power available from the MaterialsSystemReporter. The end users can intuitively define their own individual ad hoc queries and reports.

The MaterialsSystemReporter provides a wide variety of customisations to filter, sort and format the data.

MaterialsSystemReporter

MaterialsSystemReporter can help to significantly reduce the report development work for SmartPlant® Materials.

It allows offline work with your materials system data and broadens the usage of the materials system data into a new dimension.

The screenshot shows the 'Material System Reporter' application window. On the left is a tree view under 'Project Reports' with categories like 'CommodityCodes', 'Alias', 'CommodityCode', 'CommodityCodeDesc', 'DimensionalStandard', 'EndPreparation', 'EndStandard', and 'GroupCode'. The 'GroupCode' is expanded to show 'B', which is further expanded to 'PartCode' and then 'CAP'. Under 'CAP', 'MaterialGrade' is expanded to show 'A 234 Gr. WP1'. On the right is a data table with 55 filtered records. The table has columns: GroupCode, PartCode, MaterialGrade, CommodityCode, and CommodityCodeDesc. The first row is highlighted in yellow and shows: B, CAP, B 366 WPN-S UN, BCAPAB3BEA1X, Cap., B16.14, BE., B 366 WPN-S UN.

GroupCode	PartCode	MaterialGrade	CommodityCode	CommodityCodeDesc
B	CAP	B 366 WPN-S UN	BCAPAB3BEA1X	Cap., B16.14, BE., B 366 WPN-S UN
A	515 Gr. 60	BCAPAB3BJAEUZ		Cap., B16.14, RTJ x BE., A 515 Gr. 60
A	403 Gr. WP304/	BCAPABMBEA1B		Cap., B16.9, BE., A 403 Gr. WP304/
B	366 WPNICMC (BCAPABMBEA1J		Cap., B16.9, BE., B 366 WPNICMC (
B	366 WPNICMC (BCAPABMBEA1N		Cap., B16.9, BE., B 366 WPNICMC (
B	363 WPT2	BCAPABMBEA1U		Cap., B16.9, BE., B 363 WPT2, SM
B	366 WP20CB (All	BCAPABMBEA2A		Cap., B16.9, BE., B366 WP20CB (All
A	234 Gr. WPB	BCAPABMBEA2K		Cap., B16.9, BE., A 234 Gr. WPB
A	234 Gr. WPB	BCAPABMBEA2L		Cap., B16.9, BE., A 234 Gr. WPB
A	234 Gr. WPB	BCAPABMBEA2M		Cap., B16.9, BE., A 234 Gr. WPB
A	234 Gr. WPC	BCAPABMBEA2N		Cap., B16.9, BE., A 234 Gr. WPC
A	234 Gr. WPC	BCAPABMBEA2O		Cap., B16.9, BE., A 234 Gr. WPC
A	420 Gr. WPL6	BCAPABMBEA2P		Cap., B16.9, BE., A 420 Gr. WPL6
A	420 Gr. WPL6	BCAPABMBEA2Q		Cap., B16.9, BE., A 420 Gr. WPL6
A	420 Gr. WPL6	BCAPABMBEA2R		Cap., B16.9, BE., A 420 Gr. WPL6
A	516 Gr. 70	BCAPABMBEA2S		Cap., B16.9, BE., A 516 Gr. 70, ERY
A	234 Gr. WP1	BCAPABMBEA2T		Cap., B16.9, BE., A 234 Gr. WP1
A	234 Gr. WP11b	BCAPABMBEA2U		Cap., B16.9, BE., A 234 Gr. WP11b
A	234 Gr. WP12 CI	BCAPABMBEA2V		Cap., B16.9, BE., A 234 Gr. WP12 CI
A	234 Gr. WP11 CI	BCAPABMBEA2W		Cap., B16.9, BE., A 234 Gr. WP11 CI
A	234 Gr. WP12 CI	BCAPABMBEA2X		Cap., B16.9, BE., A 234 Gr. WP12 CI
A	234 Gr. WP5	BCAPABMBEA2Y		Cap., B16.9, BE., A 234 Gr. WP5
A	234 Gr. WP9	BCAPABMBEA2Z		Cap., B16.9, BE., A 234 Gr. WP9
A	234 Gr. WP91	BCAPABMBEA3A		Cap., B16.9, BE., A 234 Gr. WP91
A	234 Gr. WPB	BCAPABMBEA3B		Cap., B16.9, BE., A 234 Gr. WPB

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