



TN Planning Add-In for Microsoft® Excel

As a TN Planning user, you needn't do without your familiar Excel environment. The TN Planning Add-in for Microsoft® Excel enables you to upgrade your TN Planning planning and consolidation solution with the full spreadsheet functionality of Microsoft® Excel. You can work in the Excel interface without actually saving the required data in Excel. TN Planning maintains all data for immediate access in an updated central location and thus eliminates the need for disorganized and redundant data management in multiple personal Excel worksheets.

Reporting and Analysis

- **Multidimensional analysis:** Select the dimensions you wish to use in analyzing your corporate data and enter them in the rows and columns of your Excel worksheet (e.g. key figures and months). All other dimensions are shown in the report header for use in selecting specific elements. Select an element by double-clicking on it (e.g. a branch office or product), and TN Planning will enter the correct values in the table.
- **Line reports:** Use predefined multidimensional row and column layouts (line reports) to compile sophisticated reports quickly in Excel.
- **Individual design and additions:** Design Excel tables linked with TN Planning to meet your specific needs. Insert rows and columns, add formulas and format your data however you wish. The TN Planning Add-in for Microsoft® Excel ensures that all figures are updated regardless of the changes you have made.
- **Business diagrams:** Use the wide selection of diagrams available in Microsoft® Excel to visualize your data. Diagrams are also updated automatically with current data from TN Planning.

	Ist 2011	Forecast 2012	Plan 2013	Abweichung Ist	Abweichung %	Abweichung Forecast	Abweichung %	Anteil Umsatz
Umsatz	5.996	6.168	6.285	288	5%	117	2%	100%
Materialeinzelkosten	2.931	2.283	2.986	55	2%	703	31%	48%
Materialgemeinkosten	534	552	681	147	27%	128	23%	11%
Materialkosten	3.465	2.835	3.666	202	6%	831	29%	58%
Fertigungseinzelkosten	1.052	1.168	1.390	338	32%	222	19%	22%
Fertigungsgemeinkosten	111	117	127	16	14%	10	8%	2%
Fertigungskosten	1.163	1.285	1.517	354	30%	232	18%	24%
Herstellungskosten	4.627	4.120	5.183	556	12%	1.063	26%	82%
DB I	1.369	2.048	1.101	-268	-20%	-946	-46%	18%
Verwaltungskosten	109	125	123	14	13%	-2	-1%	2%
Vertriebskosten	564	616	636	72	13%	20	3%	10%
Selbstkosten	5.301	4.861	5.942	642	12%	1.081	22%	95%
DB II	696	1.307	342	-353	-51%	-965	-74%	5%
Marge	12%	21%	5%	-6%	-51%	-16%		

Planning and data collection

- **Write-back:** The TN Planning Add-in for Microsoft® Excel also enables you to write values entered in Excel back to TN Planning. The Excel Add-in also checks to ensure that data can be entered in the respective cells in TN Planning.
- **Writing back computed cells:** The specific form in which the data link to TN Planning is implemented also enables you to enter Excel formulas in the cells to be written back to TN Planning. Thus the results of auxiliary calculations performed in Excel can be saved directly to TN Planning.
- **Offline use:** A planning mask created with the TN Planning Add-in for Microsoft® Excel can also be used for offline data processing, e.g. editing an Excel work sheet on a mobile computer while travelling or sending a work sheet to a planning participant who has no online access to TN Planning. Although data cannot be updated offline, data in the Excel work sheet can be edited. As soon as the Excel work sheet is linked to TN Planning again, the edited data can be written back to TN Planning.

User rights and data security

- Authorization to use the Excel add-in can be granted or blocked for specific user groups and/or individual users.
- Access to TN Planning data via the Add-in for Microsoft® Excel is subject to all of the administrative requirements for TN Planning. This ensures that users can access only data intended for their use in Excel.
- Before data are written back, the TN Planning Add-in for Microsoft® Excel checks to ensure that data can be entered in the respective cells in TN Planning and that the user in question is authorized to do so.

Connection to TN Planning

- **One-click Excel:** The TN Planning Add-in for Microsoft® Excel can be started directly from within the TN Planning Navigator with a single click. The current report is transferred to Excel 1:1.
- **Standalone operation:** The TN Planning Add-in for Microsoft® Excel can be started independently of the TN Planning Navigator, connect to TN Planning and be used to generate ad-hoc reports and planning forms.
- The connection to TN Planning can be established either via **COM** interface in a client/server network or via **SOAP** in an internet/intranet environment.



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