Earned value - as of October 2019

How values are calculated
Note for Merlin Project Express users

The following functions are only available in Merlin Project.

The Earned Value analysis relates to the current status date.

For a better overview of the calculations:

1. Switch on the time line first. It shows a vertical line in the Gantt for the status date of the project.
2. Is the time line not onto today's date? Check the configured project status date: *Settings > General > Status Date

Is the Status Date set to another specific date?

- Keep this date if entered it intentionally,
- or set to automatic for today's date.

How values are calculated

**BCWS** corresponds to the budgeted costs up to the current status date in the project

**ACWP** corresponds to the actual costs up to the current status date in the project.

**BCWP** indicates the original budget cost of work performed so far. Merlin uses the current completion value whereby it utilizes the planned values (gray bars) to calculate the costs as if the planned bars had already been completed.

The Schedule Variance is calculated from: **BCWP - BCWS**

The Cost Variance is calculated from: **BCWP - ACWP**

The Cost Performance Index (CPI) is calculated from: **BCWP/ACWP**

The Total Cost Estimate is calculated from: **ACWP + ((Planned Costs - BCWP) / CPI)**

The Variance at Completion is calculated from: **Planned Costs - Total Cost Estimate**

⚠️ All Earned Value fields contain only values up to the project’s current status date.