

Overview of e!Sankey 4 features

All features of e!Sankey 4, e!Sankey 4 pro and e!Sankey 4 calc:

Basic Functionality for Sankey Diagrams

The following basic features support a intuitive and quick setup of Sankey diagrams:

- Processes (nodes) and Arrows with various layout options
- Entries (e.g. material, energy) for flows
- Unit handling: defining and converting unit types and units
- Color management
- Configurable legend
- Configurable arrow labels for flow quantities
- Text elements for additional descriptions or comments
- Export of Sankey diagrams in different graphic formats (PNG, JPG, GIF, BMP, EMF, PDF)

Numerous Options for flows and arrows

Arrows in Sankey diagrams show the flow quantities. The correct arrow width is set automatically by e!Sankey:

- Configurable arrow tail and head
- Waypoints for arrow routing
- Rounded arrow bends
- Hook arrow to another process
- Multi flow arrows (stacked arrows)
- Colors, patterns or color gradients on arrows
- Automatically hide flows with quantity zero

Processes and and other graphical elements

Processes (nodes) are the symbols arrows in e!Sankey are hooked to:

- Processes (nodes) can be adapted in shape, style and color
- Labels for processes
- Hide/show processes
- Use icons and images as process symbols
- Align processes
- Adapt height of process automatically to width of connected arrows
- Connect arrow to any of the four sides of a process
- Balance check at process (In=Out) per unit type
- Visualize stock increase/decrease at process (only in e!Sankey pro & calc)
- Additional graphical elements: rectangle, ellipsis, circle, line, ...
- Use images or maps as backdrop

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Working with Units and Scaling

Besides the common energy flows and material streams, you can also present flows in any other unit type with Sankey diagrams (e.g. currency, volumes, density...)

- Handle unit types separately
- Scaling per unit type using slider
- Show/hide flows per unit type
- Unit conversion
- Define default color pallet per unit type
- Upper threshold for scaling (cut-off value)
- Lower threshold with minimum width
- Optional spiked arrow-heads only for thin Sankey arrows
- Number format can be defined per unit type
- Display percentage (per unit type) in arrow label

Live Link to Microsoft Excel (only in e!Sankey 4 pro & calc)

The live link to Microsoft Excel can be used to update Sankey diagrams through Excel spreadsheets:

- Produce updates of your Sankey diagrams by changing values in Excel - ideal for recurring reporting tasks
- Live Link reference into one or more Excel files
- Overview dialog allows editing Live Links
- Live Link status display
- Linking to flows and stock changes
- Linking process names and text elements
- Value zero in Excel cell? Hide empty arrows and inactive processes

Calculation of entries and flows (only in e!Sankey 4 calc)

Using the following operations you can specify processes in order to calculate and generate entries and flows, e.g. when certain data is missing:

- Calculate the sum of all input flows and create a flow at output arrow
- Merge all flows from all incoming arrows and pass them to the output arrow. Flows of the same entry will be summed up.
- Calculate the difference of the surrounding flows and creates a flow at the output arrow.
- Split all flows from input arrows by a given ratio.

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More valuable program features:

- Multi-step Undo/Redo
- Copy/Paste of diagram sections
- Multiple element edit
- Presentation mode (kiosk mode) and design mode
- Hide windows to gain more drawing area, use on two monitors
- Many examples from energy management, facility mananagement, combined heat and power (CHP)
- Document models (templates) with style definitions
- Full Unicode support for diagram labels and text elements (Chinese, Japanese, Arabic, Hebrew script)
- Start Center with diagram thumbnails
- Online help, user manual, YouTube channel with e!Sankey tutorial videos

For further information please visit www.e-sankey.com or send us an e-mail to info@e-sankey.com