

Simple and uniform visualization.

Create easy-to-comprehend reports and
dashboards with graphomate extensions

M I C R O S O F T ■ S A P ■ T A B L E A U

MS Power BI ■ MS Excel

SAP Analytics Cloud ■ SAP Lumira Designer

SAP Web Intelligence ■ SAP UI5

Tableau

graphomate 



graphomate GmbH, founded in 2010, is a software provider from Kiel, Germany. With our products, decision makers receive simple and uniform visualizations that facilitate decision-making in an information-rich and quickly comprehensible manner – always true to the motto: information, not decoration.

graphomate products are based on the rules of good information design and comply with the International Business Communication Standards (IBCS).

graphomate focuses on the development of visualization solutions for:

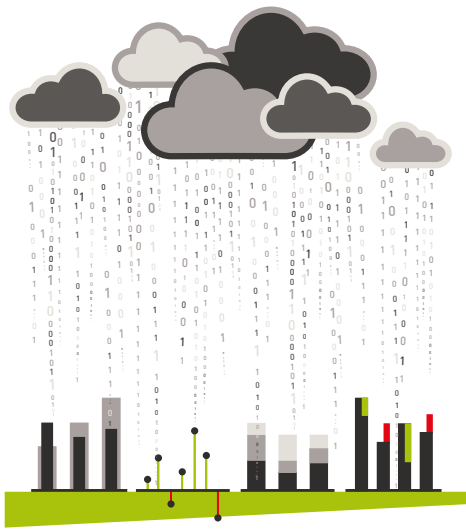
- + Microsoft Power BI
- + Microsoft Excel
- + SAP Analytics Cloud
- + SAP Lumira Designer
- + SAP Web Intelligence
- + SAP UI5
- + Tableau

graphomate GmbH has been an SAP PartnerEdge build partner since 2011. Our graphomate charts, graphomate matrix and graphomate bubbles are IBCS certified.



Easy to understand

...



Above all else show the data.
(Edward Tufte)

Communication of business data in companies is often quite table-oriented. Tables may provide numbers accurately, but do we see the „story“ behind the numbers in rows and columns? Can we easily identify patterns, trends or outliers? No!

And this is exactly where the strength of charts lies: Visualizations give decision-makers a quick overview of the current situation.

A picture is worth more than a thousand numbers

Our graphomate extensions offer simple visualizations based on the rules for good information design according to the International Business Communications Standards (IBCS). No effects, no 3D, no unnecessary colors – but standardized visualizations!

Edward Tufte coined the phrases „Avoid chart junk!“ and „Above all else show the data“, to which we are committed. Our basic rule is: Information, not decoration!

A consistent visual language creates advantages

Composers have been using a uniform visual language to capture melodies for generations. With the help of this notation, musicians – no matter which language they speak – are able to play a song together. Similarly, the standardized elements in circuit diagrams can be read by engineers.

We are convinced that this approach can also be successful for business reporting: When the same content is presented in the same way, reports can be grasped more quickly and understood better. Data visualizations in the context of ad-hoc analyses and/or regular reporting thus become basis for a successful decision-making process.

+ Defining rules for consistent data visualization

Uniformity in visualisation could be achieved, for example, by displaying previous year's periods in light grey, current values in plain black, planned values outlined and forecast values hatched. Another simple rule is: developments over time are visualised with horizontal category axes, while comparisons of products or regions are visualised with vertical axes. Readers immediately know how to interpret the visualisation.

Building a consistent reporting system with graphomate extensions

With the use of graphomate extensions, the rules of a uniform visualization language can be comprehensively implemented for your company. The (interactive) use of so-called „helpers” also makes it easier to read the graphics. This allows viewers to see the „story” behind the data and make informed decisions for their business.

+ Generating added value through company-wide uniform notation

Regardless of whether you follow the rules according to IBCS or supplement them with company-wide display guidelines – with the graphomate visualization extensions you create the prerequisites for a data-driven reporting system that follows the claim „simple, uniform and true” and results in a standardized notation for your company.

+ Creating meaningful reports in many SAP tools, Microsoft Power BI, Excel and Tableau by drag-and-drop

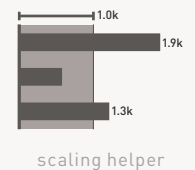
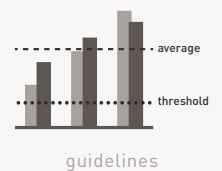
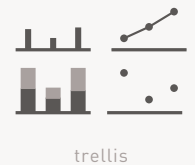
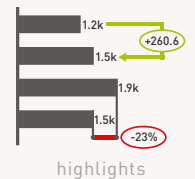
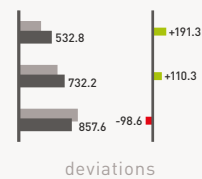
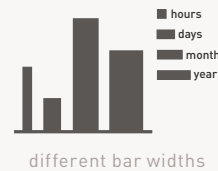
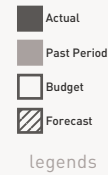
With the help of the graphomate products you create diagrams and tables simply by drag-and-drop. A variety of visualization types are available, which you can configure according to your requirements. Our extensions integrate seamlessly into many BI tools:

- » SAP Analytics Cloud
- » SAP Lumira Designer
- » SAP Web Intelligence
- » Microsoft Power BI
- » Microsoft Excel
- » Tableau

+ Experiencing close to limitless exchange with the graphomate server through import and export of templates



Templates from all graphomate extensions can be stored centrally on the graphomate server and used across all BI front ends mentioned. Thus a unified reporting can also be maintained across the boundaries of your BI tools. Thanks to the graphomate Property Sheet (GPS), the graphomate extensions also offer an almost identical user interface for the users. Never before has the collaboration between report creators been so smooth.



Uniform representations and „helpers” provide meaningful information in the graphomate extensions

Simply feasible

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The graphomate visualization extensions are currently available for SAP Analytics Cloud, SAP Lumira Designer, SAP Web Intelligence, SAP UI5, Microsoft Power BI and Tableau as well as Microsoft Excel. Via the graphomate server, templates can be exchanged between the aforementioned BI tools and edited centrally. Regular releases, a support desk and detailed documentation for our extensions are available to all users.

The graphomate extensions

+ Our graphomate suite – four components as a package solution

With the IBCS-certified **graphomate extensions** – **charts, matrix, bubbles und pictograms** – you get a comprehensive suite that allows you to build a reporting system tailored to your needs. These tools are available on all BI platforms mentioned.



+ Our further components

- » The **graphomate tiles** complement our portfolio as a modular tool for the starting page of your dashboard. You will receive the graphomate tiles for SAP Lumira Designer.
- » Are there any wishes left? With **graphomate individuals** we offer to develop individual visualization solutions and chart ideas according to customer requirements.



+ Outlook

The **graphomate development** never stands still. We are planning to offer our graphomate tiles for the other BI platforms as well and to enable the use of our graphomate extensions in the Microsoft Office 365 Suite.

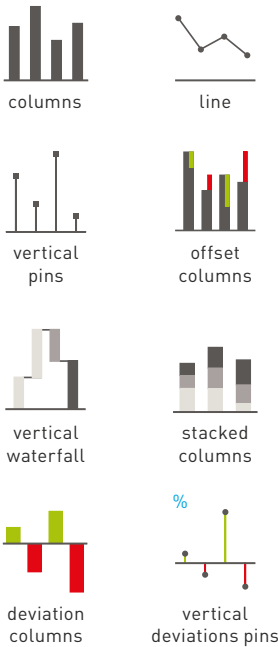


Available for





Chart types



The IBCS-certified graphomate charts offer **six main chart types** that you can use **horizontally and vertically** aligned. Absolute and percentage deviations are calculated directly and visualized via additional axes above the basic charts. Of course, you can implement a **notation based on the IBCS** according to your ideas.

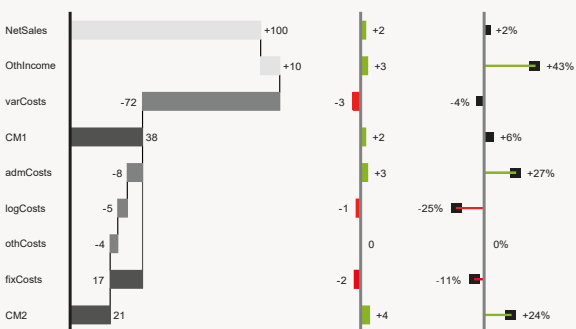
Further functionalities

- + **combination charts:** different chart types combined in one chart
- + **comparison group for uniform scaling** of charts within a reporting application
- + **small multiples** across dimensions
- + **freely definable scenarios** (color, fill pattern, shape) per data series or data point
- + highlighting of the difference of data points via **single- and multi-highlighting**
- + **extensive formatting options** for category, data series and data labels
- + display of additional **data-driven reference lines** (e. g. median, mean)
- + automatic **avoidance of label collisions**
- + **outlier definition**
- + **export** to graphomate charts for Excel or as png element
- + representation of **top N + rest**

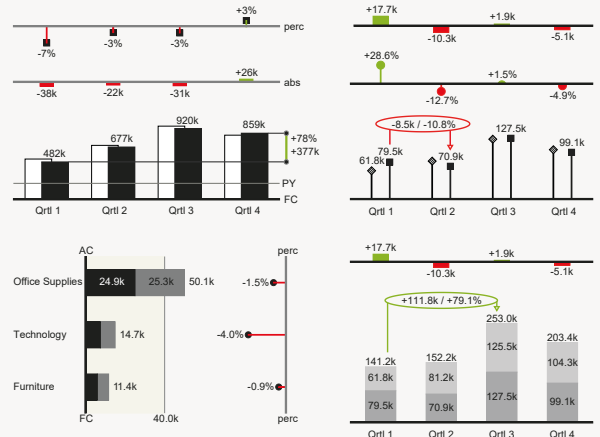
Template management



Available for



The waterfall allows you to easily map your profit and loss statement with previous year comparisons, subtotals and even spans



This four-field matrix with aligned axes and identical scaling shows IBCS formatting, outliers and fixed widths



graphomate **matrix**
Lean table design

For the representation of detailed values with a well-structured table design, we recommend using our **IBCS-certified** graphomate matrix. You can choose between a **hierarchical and flat representation**. The matrix enables a **high-performance presentation of large amounts of data**: Even with the maximum number of data points supported by your BI environment, you scroll smoothly.

Table types

Net Sales		Profit	
Result	484.1k	North	173.2k
Central	183.0k	South	40.1k
Arkansas	142.4k	East	204.7k
Illinois	40.6k	West	56.8k

hierarchical table

flat table

Further functionalities

- + table design according to IBCS and/or according to a company-wide notation
- + different number formats per column/row
- + mapping hierarchies in rows and columns
- + deviation diagrams as bar or needle charts and background bars
- + conditional number formats depending on measures or dimension elements
- + representation of top N + rest

Template management



The special feature: Cell-Formatting-Language (CFL)

With the CFL, each cell can be formatted in a data-driven way. For example, individual cell values can be highlighted or entire rows/columns can be formatted according to certain specifications. The possibility of adding a traffic light feature or alternating row formats are only two possible applications.

Programming with our self-developed CFL is made simple via a web editor. Among other things, the editor masters auto-completion and syntax highlighting. Code snippets such as micro-pies or heat maps help to familiarize the user with the CFL.

Available for



Electronic Inc.
Profit after tax
2019 PY, AC

	January				February			
	PY	AC	delta PY	delta PY %	PY	AC	delta PY	delta PY %
Austria	7.4k	2.0k	-5.4k	-73.2%	0.7k	0.5k	-0.2k	-27.1%
Belgium	0.3k	0.4k	0.1k	38.5%	0.3k	0.3k	0.0k	16.2%
France	7.5k	7.4k	-0.2k	-2.1%	7.6k	6.0k	-1.5k	-20.2%
Germany	3.1k	4.7k	1.6k	53.3%	6.7k	7.0k	0.3k	4.8%
Netherlands	-0.6k	-2.1k	-1.6k	-275.9%	-1.4k	-2.1k	-0.7k	-47.7%
Switzerland	-0.3k	-0.4k	0.8k	221.1%	0.1k	0.1k	0.1k	172.7%
△ Central	17.4k	12.8k	-4.6k	-26.6%	13.8k	11.9k	-1.9k	-14.0%
▷ North	7.1k	7.0k	-0.2k	-2.3%	6.5k	4.2k	-2.4k	-36.0%
▷ South	8.5k	3.9k	-4.6k	-54.1%	0.8k	4.4k	3.6k	418.4%
△ Europe	33.0k	23.7k	-9.4k	-28.4%	21.2k	20.5k	-0.7k	-3.5%

Hierarchical table with deviations



graphomate **bubbles**
Multidimensional portfolios

Chart types



bubbles



scatterplot

Template management

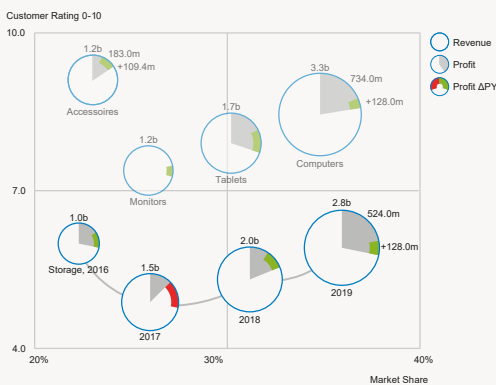


The graphomate bubbles can be used to create different representations such as **bubble charts**, **scatter diagrams** or **multi-dimensional portfolio analyses** (e.g. BCG matrix). This chart type can represent up to **five measures** on **two value axes**. When working with the graphomate bubbles, **zoom modes** increase readability. **Interactive highlighting** via mouseover allows meaningful interpretation even when elements are overlapping. The graphomate bubbles are also **IBCS-certified**.

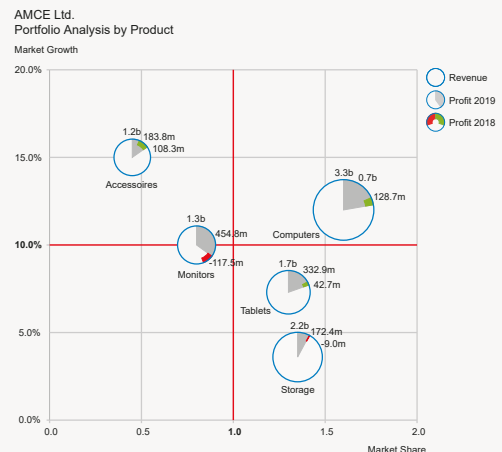
Further functionalities

- + representation of **developments over time** through connections of bubbles
- + **small multiples** with top N + rest functionality, representation according to space availability
- + **extended number formatting**
- + lines for **fixed values, median and mean**
- + **trend lines**
- + definition of **colour-contrasting target zones**

Available for



Temporal developments are represented by connections of the bubbles



Portfolio analysis (BCG matrix) for the visualization of strategies



Pictograms serve as a simplified graphic representation. In using **suitable symbols and icons** viewers can grasp the content-related reference even without a legend. In this way, you can, for example, use your existing **product icons** in the diagrams of your dashboards. The graphomate pictograms allow the scaling of a **single icon as a fixed unit**.

Representation type



pictograms

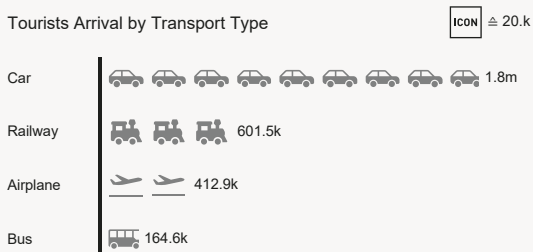
Further functionalities

- + icons are freely selectable per data series and data point
- + any image (jpeg, gif, png, svg) can be used
- + data series can be aligned horizontally or vertically
- + data series can alternatively be aligned on a central axis, from which one data series each begins to the left and right (split view)

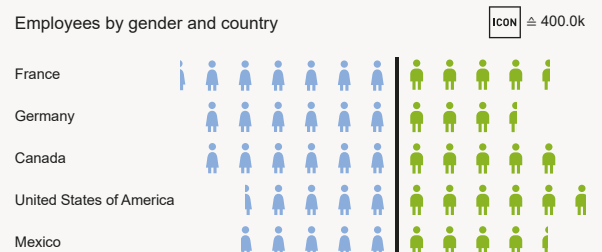
Template management



Available for



Memorable visuals can be freely selected in the graphomate pictograms



Split views with a central axis are also possible with the graphomate pictograms



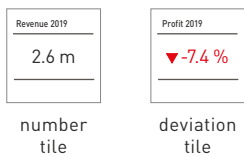
graphomate **tiles**
Modular tile design

With graphomate tiles you can create individual tiles for the entry page of your dashboard with just a few mouse clicks. The modular approach makes it possible to design specific tiles from 15 predefined modules – such as title, line, bar or KPI chart – by drag-and-drop according to your ideas.

Further functionalities

- + The flip effect allows the use of the front and back of the tile

Representation type



Available for



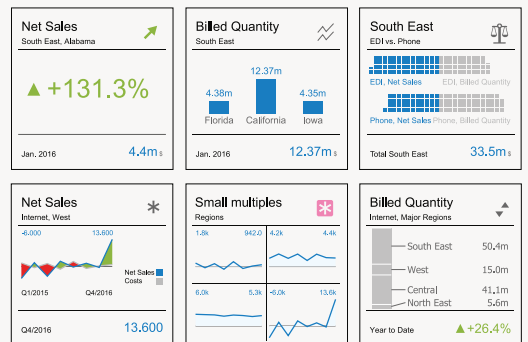

graphomate **individuals**
Tailor-made visualization

The graphomate individuals are visualization components tailored exactly to your requirements. A specially developed framework enables us to individually implement your graphic ideas within a short time.

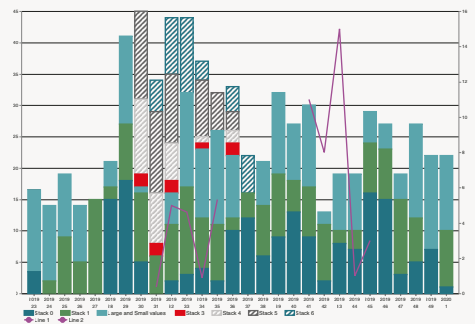
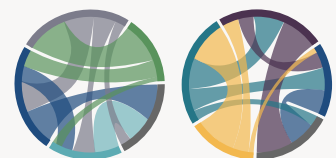
Do you have visual requirements in your reporting that seem impossible to implement?

We develop your appropriate component within a short period of time, which can then also be used interactively – as known from our standard products.

Available for



Design your dashboard with graphomate tiles



Two customer specific chart developments

... for all
of them

The graphomate extensions are currently available for the BI platforms SAP Analytics, Microsoft Power BI and Tableau as well as Microsoft Excel and are identical in each of these applications. Via the graphomate server, templates can be exchanged between these BI tools and edited centrally.

SAP Analytics

 SAP® Analytics Cloud



We have been active in the SAP Analytics environment for more than ten years now and can look back on the largest customer base here. We use SAP Analytics as a generic term for the following front end tools:

- + SAP Analytics Cloud (SAC)
- + SAP Lumira Designer
- + SAP Web Intelligence
- + SAP UI5/FIORI

SAP Analytics Cloud, SAP Lumira Designer and the graphomate extensions

SAP Analytics Cloud (SAC) is SAP's strategic data visualisation tool. SAC is designed as a cloud application and is positioned by SAP for BI self-service, dashboarding and planning functions.

In contrast **SAP Lumira Designer** is the on-premise dashboard design tool in SAP Analytics. It is the most powerful tool for interactive dashboards in the SAP Analytics portfolio in our opinion. According to SAP maintenance will be supported until at least 2027.

Our graphomate products can be used like standard components in both tools. They comprehensively support the internal scripting language.

SAP Web Intelligence and the graphomate extensions

SAP Web Intelligence probably has the largest user base in this list. It was added to the SAP portfolio via Business Objects and serves as a tool for formatted reporting and printable reports.

Because reports can be automatically distributed as PDFs, we also offer graphomate components for the use with Web Intelligence in response to many customer requests.

SAP UI5 and the graphomate extensions

SAP UI5 is the technological basis for user interfaces according to SAP Fiori design principles. It is used to implement SAP-based web applications that can be used on a variety of devices such as smartphones, tablets and the desktop. With our libraries for SAP UI5, it is possible to develop IBCS-compliant web applications and dashboards based on S/4HANA data without additional BI tools.



Microsoft Power BI

With **Power BI** Microsoft offers a whole suite of services, apps and connectors to establish a company wide business intelligence solution (BI) for companies. We see Power BI as Microsoft's answer to a strongly increased demand for self-service analytics and as an alternative to Excel for reporting purposes.

Despite Microsoft's late entry into the market for BI front ends, Power BI has very quickly gained widespread acceptance. Especially since Microsoft has been leading the Gartner Magic Quadrant for Business Intelligence for 13 years. The functional scope of Power BI is very comprehensive and a large community has formed

around its use. It was an essential milestone for us to implement our visualization extensions in Power BI, which are available in the [MS marketplace for apps \(AppSource\)](#).

Microsoft Power BI and the graphomate extensions

Our „Custom Visuals“ integrate seamlessly into Power BI as stand-alone components and interact with standard components and filters as you are used to in Power BI. Our visualizations can be used with Power BI Desktop, online and also on mobile devices.



In addition to Power BI we also offer graphomate charts for **Microsoft Excel** as Excel is omni-present in the business world.

Microsoft Excel and the graphomate extensions

Excel makes it possible to file data easily, analyze it quickly and prepare it graphically. However, the creation of meaningful charts according to the International Business Communication Standards (IBCS) with Excel on-board tools was a challenge. This

prompted us to develop the graphomate charts for Excel.

The graphomate charts for Excel offer the possibility to link queries from SAP Analysis for Microsoft Office (AfO) directly with the graphomate charts and thus use them interactively.

You can also create templates in Excel and provide them for Power BI, Tableau or SAP Analytics via the graphomate server.



Tableau

Tableau is one of the pioneers and market leaders in interactive data visualization in the analytics sector. Tableau has been a leader in the Gartner Magic Quadrant for Business Intelligence for the past eight years, surpassed only by Microsoft Power BI.

The outstanding feature of this tool is its drag-and-drop functionality: even complex visualizations can be implemented without programming knowledge. In recent years, Tableau has developed from a pure visualization tool – Tableau Desktop/Online – into a comprehensive BI platform. Tableau Server and

Tableau Prep help to build, organize and manage a data warehouse.

Tableau and the graphomate extensions

Nevertheless it is still very time-consuming and requires a lot of know-how to implement IBCS-compliant visualizations in Tableau. With the release of a powerful interface for Tableau partners at the end of 2019, we wanted to provide our graphomate products for Tableau as well.

Just give a try.

Get to know the graphomate visualization extensions for the BI platforms **SAP Analytics, Microsoft Power BI and Tableau** as well as **Microsoft Excel**. You will receive fully functional demo versions of our products.

Demo versions with a full range of functions

We are pleased to give you the opportunity to test our extensions in detail. The demo versions of the individual graphomate extensions are fully functional, only limited in time.

You can get a comprehensive picture of the functional scope of the specific extension during the trial period of three months.

graphomate extensions at a glance

	GRAPHOMATE SUITE					
	charts	matrix	bubbles	pictograms	tiles	individuals
SAP Analytics Cloud	x	x	x	x		x
SAP Lumira Designer	x	x	x	x	x	x
SAP Web Intelligence	x	(x)	x			x
SAP UI5	x	x				x
Microsoft Power BI	x	x	x	x		x
Microsoft Excel	x					x
Tableau	x	x	x	x		x



With the use of our free graphomate server a comprehensive template management via import and export is possible – even between the different BI tools.

Our conditions

You find our current price and licence conditions here:

www.graphomate.com/en/licences

Informationen and contact

Contact us if you would like to test our graphomate extensions free of charge and without obligations. We are happy to answer any questions you may have.

Phone +49 431 289 481 78

E-Mail info@graphomate.com

Further information can be found here:

www.graphomate.com/en/

Simply satisfied.

Our customers use graphomate extensions successfully across all industries. Good standardized visualization in reporting wins. We currently support more than 150 customers with more than 50,000 users, mainly in the DACH region.

graphomate customers include:

- + 50Hertz Transmission GmbH
- + ABB Schweiz
- + Allianz Global Investors GmbH
- + Allianz Suisse
- + Alfred Kärcher GmbH
- + Amann & Söhne GmbH & Co. KG
- + AOK Bundesverband GbR
- + Applied Materials, Inc.
- + armasuisse, Bundesamt für Rüstung, (Schweiz)
- + Asendia by La Poste & Swiss Post
- + Asklepios Kliniken Verwaltungsgesellschaft mbH
- + Audi AG
- + August Storck KG
- + BASF SE
- + Basler Versicherung AG
- + Bank Julius Baer & Co. Ltd
- + Benteler International AG
- + Biotronik SE & Co. KG
- + BLS AG
- + BMW AG
- + Bühler Holding AG
- + Bundesministerium für Wissenschaft, Forschung und Wirtschaft (Österreich)
- + Bundeswehr
- + Continental Automotive GmbH
- + Coop Mineraloel AG
- + D. Swarovski KG
- + Daimler AG
- + Daimler Truck AG
- + Datagroup SE
- + Dataport AöR
- + Delivery Hero AG
- + Detecon International GmbH
- + Deutsche Pfandbriefbank AG
- + Deutsche Rentenversicherung Bund
- + Deutsche Telekom IT GmbH
- + DG Nexolution eG
- + Dr. Ing. h.c. F. Porsche AG
- + Dr. Willmar Schwabe Business Service GmbH & Co. KG
- + Durst Phototechnik AG
- + DZ Bank AG
- + Eidgenössische Technische Hochschule Zürich
- + EKATO Rühr- und Mischtechnik GmbH
- + Endress+Hauser AG
- + Energie Steiermark Technik GmbH
- + ENGEL AUSTRIA GmbH
- + Ensinger GmbH
- + Ernsting's family GmbH & Co. KG
- + European Central Bank
- + Evonik Industries AG
- + Finanzverwaltung Basel Stadt
- + Flender GmbH
- + Flughafen Wien AG
- + Fresenius SE & Co. KGaA
- + Goethe-Institut e.V.
- + Greiner Packaging International GmbH
- + Helvetia Holding
- + HG COMMERCIALE
- + Hochland SE
- + Hugo Kern und Liebers GmbH & Co. KG
- + Infracore GmbH & Co. Höchst KG
- + Information und Technik Nordrhein-Westfalen (IT.NRW)
- + Ivoclar Vivadent AG
- + Joh. Stieglmeyer & Co. GmbH
- + JCL GmbH
- + Julius Blum GmbH
- + Kassenärztliche Vereinigung Baden Württemberg
- + Kellner und Kunz AG
- + Klinikum Region Hannover GmbH
- + Knorr-Bremse AG
- + Kostal GmbH & Co. KG
- + Kraftverkehr Nagel GmbH & Co. KG
- + Krombacher Brauerei Bernhard Schadeberg GmbH & Co. KG
- + KTM AG
- + Kühne + Nagel (AG&Co.) KG
- + Leica Geosystems AG
- + Linz AG
- + Lorenz Bahlsen Snack-World GmbH & Co KG
- + Lufthansa Technik AG
- + MAHLE GmbH
- + Marquardt GmbH
- + MEWA Textil-Service AG & Co. Management OHG
- + Migros-Genossenschafts-Bund
- + Miltenyi Biotec GmbH
- + Movida Locadora de Vehiculos S. A.
- + Munich Re
- + MWV Energie AG
- + NEW AG
- + Nordex SE
- + Northern Territory Government
- + Österreichische Bundesforste AG
- + Oettinger Davidoff AG
- + OPTIMA Packaging Group GmbH
- + PERI GmbH
- + PlanOrg Informatik GmbH
- + Post CH AG
- + Premium AEROTEC GmbH
- + Qiagen GmbH
- + REWE Group
- + Robert Bosch GmbH

- + Rohde & Schwarz GmbH & Co. KG
- + RWE Power AG
- + Sanitas Troesch AG
- + Schweizerische Bundesbahnen SBB
- + Schweizerische Mobiliar
Versicherungsgesellschaft AG
- + Schweizerische Radio- und
Fernsehgesellschaft SRF
- + Schüco International KG
- + Serengeti d.o.o.
- + SEW-Eurodrive GmbH & Co KG
- + Stadt Zürich
- + Stadler Rail Management AG
- + Steiermärkische
Krankenanstaltengesellschaft mbH
- + Stiebel Eltron GmbH & Co. KG
- + Styria Media Group AG
- + Syntegon Technology GmbH
- + SWARCO AG
- + Tecan Trading AG
- + Tesa SE
- + TIGER Coatings GmbH & Co. KG
- + Trespa International B.V.
- + T-Systems International GmbH
- + Universitätsklinikum Bonn
- + Universitätsklinikum Frankfurt
- + Viega Holding GmbH & Co. KG
- + Vinzenz Gruppe
Krankenhausbeteiligungs- und
Management GmbH
- + VODOVOD I KANALIZACIJA d.o.o.
- + Weber Automotive GmbH
- + Wiegel Verwaltung GmbH & Co.KG
- + WIRTGEN GmbH
- + Yazaki Europe Ltd.
- + Ypsomed AG

Lufthansa Technik AG

„Implementing fixed standards and thus creating a high recognition value saves a lot of time and money. graphomate extensions enable us to get a better overview of staff capacities at a glance and see from the prepared data which employee is available or can be scheduled when.“

Stefan Hüttner, IT Project Manager

„You have no idea how many reports I have to cope with – and they are all different. With graphomate, the recognition value is high and you find your way around.“

Georg Fanta, Head of Controlling

Leica Geosystems AG

„Our dashboards realized on the basis of graphomate add-ons enables our decision makers very quickly to realize which products and/or regions sell well or not. The actual/plan deviations in the dashboards have become an indispensable element in managing- and planning meetings.“

*Bernhard Fritz, IT / Head of F&C, HR,
Business Intelligence*

Migros-Genossenschafts-Bund

„graphomate's products enabled us to quickly and consistently establish the standardization of our reporting. Our in-house customers are enthusiastic about the dashboards and we were able to end the tool discussion in favor of the SAP BI portfolio.“

Wolfgang Denzel, Head of CC BI

Endress+Hauser AG

„We have decided to use graphomate because with no other tool it is so easy to produce informative charts in accordance with the SUCCESS-rules from Hichert+Partner (IBCS). The use of graphomate was the logical consequence.“

Michael Tritschler, Team Leader Business Intelligence

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