

GIGATRONIK

Data Analytics and Business Intelligence

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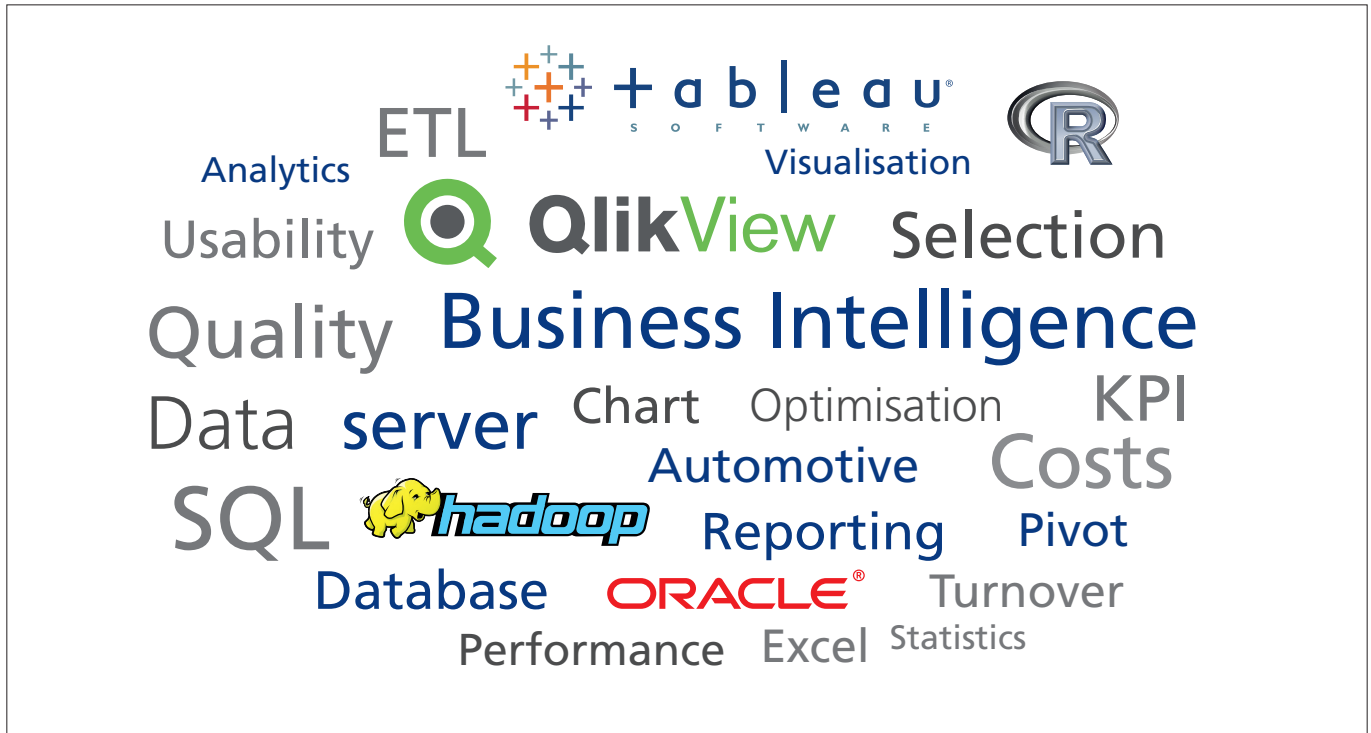
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To learn more about our services please
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Data Analytics and Business Intelligence



Displayed company logos: QlikView, Tableau Software, R Statistics, Hadoop and Oracle

Develop valuable information through high performance data analysis

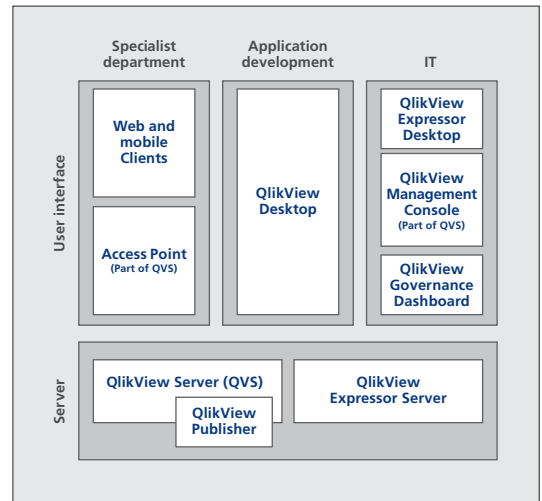
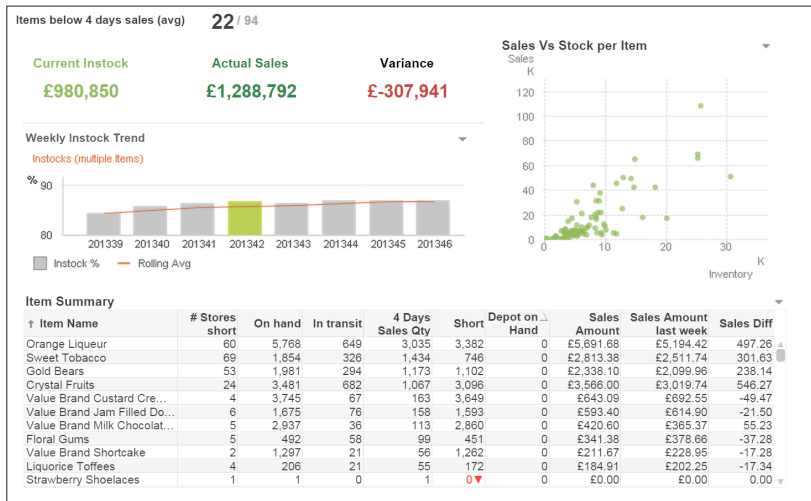
A continually expanding data and information flow creates challenges for companies in nearly all industries today. For example very specific and extremely valuable data are generated every day in the automotive industry in the areas of development, product data management and after sales.

Data must be explored, processed and visualised in a goal-oriented manner to avoid losing valuable information in the enormous volume and diversity of the data. The team Data Analytics and Business Intelligence at the GIGATRONIK site in Munich has been handling fascinating collections of data for its customers in order to generate considerable added value for them.

Our competence in analysis, combined with our partner's tools – Qlik, Tableau and Hortonworks – creates the optimal basis for your enterprise. We cater to your individual needs and will accompany you along the entire value creation chain. Numerous successfully conducted projects and our customer's satisfaction speak for themselves.

Our strengths:

- continuous training and certification of GIGATRONIK employees for all utilised systems
- Regular evaluation and needs-oriented enhancements such as useful tools, technologies and concepts
- extensive industrial know-how in the automotive field
- numerous successfully carried out projects in the area of data analytics and business intelligence
- solid networking within the GIGATRONIK Group and use of synergy effects between sites and departments



QlikView – optimally exploit data potential

Flexible business-discovery applications are quickly and easily implemented with QlikView. Data is analysed dynamically and serves the specialist department’s staff as a basis for making sound decisions. QlikView’s patented software engine creates data views while the search is being carried out. These views are available in memory and can immediately be analysed.

Associative data analysis – recognise valuable relations

Recognising unforeseen relations leads to new insights and enables innovative approaches to solutions. Associative data analysis helps you to exploit the potential of your data. QlikView suits every requirement due to its extraordinary high performance and flexibility.

Data connectors – develop data extensively

QlikView already contains ready-made connectors to the data source which support standards such as ODBC/OLEDB and XML as well as integrating SAP or Excel. Additionally, developers can use the open QVX-format for the implementation of connectors for integrated imports from other data sources (such as proprietary data formats).

Extensions – individual visualisation

If QlikView’s comprehensive visualisation and input options do not suffice, the functional range can be creatively extended by implementing extensions based on Javascript. The extensions are seamlessly integrated into the required application.

- **Years of experience**

GIGATRONIK has over 10 years of experience with QlikView and is specialised in the optimal use of the software tool.

- **Intelligent data connectors**

GIGATRONIK is already successfully using the connectivity enhancement in order, for example, to develop MDF4-files and in doing so creates entirely new possibilities in the development of vehicles. By means of implementation and use of connectors, we make your concealed data accessible.

- **Extensive data presentation**

Our clients already use a variety of extensions developed by us. These support, for example, the commenting of data, the visualisation of events and comments as a line diagram as well as the presentation of connected processes.

- **Precise presentation of reports**

GIGATRONIK uses NPrinting to design and automatically distribute reports based on QlikView applications, for example in Excel or PowerPoint.

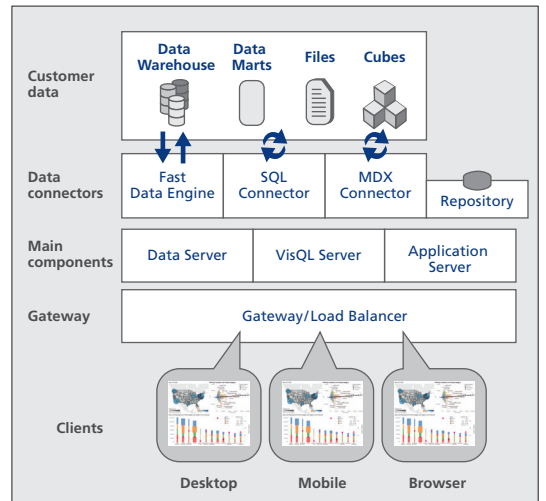
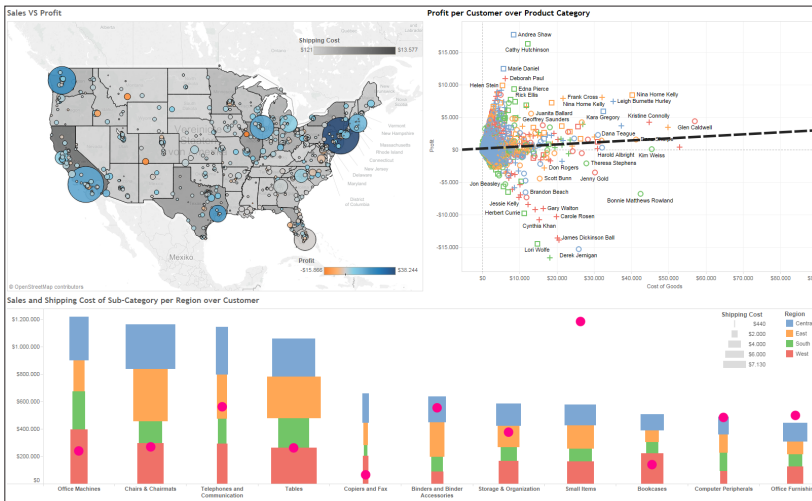


Tableau – state of the art in the area of visualisation and analysis

Appealing analysis solutions can be quickly and intuitively created with Tableau. The technology, developed in Stanford, translates data images into optimised data queries. In this way a new measure of performance is set alongside the intuitive visualisation.

GIGATRONIK has added Tableau to its service portfolio and created the optimal basis for every application scenario. Where QlikView is able to satisfy through its technological flexibility, Tableau comes to use when large quantities of data have to be visualised very quickly in high-performance analysis.

Support of individual data architecture

A decisive feature of Tableau is the support of the data architecture chosen by you. Furthermore, you can use the memory data engine if the speed of the source system is not sufficient for performance analysis, or the application should also be available offline.

Data science connectivity

Tableau offers more than just a standard access to databanks and files: It provides native connectors to various custom data sources such as Amazon, Hadoop and SAP. Additionally, it supports direct connection to specific statistical data formats, for example from SAS or R Statistics. Here Tableau distinguishes itself as the optimal platform for real Data-Science-Applications.

Appealing visualisation

Tableau offers plenty of user friendly visualisations which can accommodate all of the facts to be presented. These can be flexibly tailored to specific requirements.

- **Optimal for the analysis of “big data”**

Tableau offers native access to your files saved in HDFS. We transparently process your valuable information and allow your data to speak for itself.

- **Leader in Gartner “Magic Quadrant”**

Year by year, QlikView und Tableau share top place in the leader segment of Gartner “Magic Quadrant for Business Intelligence and Analytics Platforms”.

- **Exact visualisation and analysis**

GIGATRONIK is not only the specialist in analysing, but is also able to interpret your data. This combination provides you with insights in information which would otherwise have remained hidden. With Tableau, various meaningful visualisations can be created in a convenient way.

- **Real time processing and extracts**

Alongside direct requests to source systems (e.g. Hadoop), Tableau can also work with extracts that, for example, are updated overnight. This not only conserves system’s resources but can also speed up the analysis considerably.