

# Reference Report

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## Creation of a flexible and high available IT infrastructure



 [www.wittig-electronic.de](http://www.wittig-electronic.de)

## About SIGMA

As a reputable system house in Saxony SIGMA Chemnitz GmbH operates as system integrator and partner of well-known Providers in the IT sector. Our over 80 employees at the Chemnitz and Dresden sites form a competent team at the location Chemnitz. With expertise, competence and over 30 years of experience we offer our customers reliable and powerful solutions.

## About our client

The wittig Electronic GmbH is a logistics service provider and distributor for passive electronic components with headquarters in Brand-Erbisdorf and a subsidiary in Nuremberg. The overall company structure also includes a „Repair Center“ in Bischofswerda and a subsidiary in Boskovic, Czech Republic. Since the foundation in 1990, the company has become a comprehensive partner of the manufacturing industry and not only assembles and distributes components, but also offers services in logistics and supply chain management, where customers procure parts for their production and also have them kept in stock.

## The project

In 2010, an investment in computer technology was necessary, since growing data volumes and partly outdated hardware required increased administrative effort. In addition, administration had to be carried out individually at each site, which had a negative impact on efficiency and flexibility. Fail-safety no longer met the company's requirements. Two basic solutions were possible: on the one hand, simply replacing the hardware and using dedicated servers, or alternatively, setting up a virtualized and consolidated solution. Furthermore, it had to be clarified whether the Nuremberg site should be connected via a decentralized structure with a double hardware structure and double administration or via a centralized structure using a terminal service.

## Implementation and result

SIGMA Chemnitz GmbH was commissioned with the preparation of a concept in order to find the best solution and the best procedure. The goal was to reduce the project risk. Within the scope of the analysis, system requirements and the dimensioning of necessary IT components were worked out. This was used to define the course of the project and to break it down into four subprojects. The analysis considered not only the current state, but also the future growth potential. As a result, the administrative effort was significantly reduced by the central administration of the second location. By means of the virtual machines, high availability was achieved. Likewise, an increase in computing performance and optimization of memory utilization was achieved. This in turn had a positive effect on the additional storage space available for data backup - especially for disaster recovery scenarios. Finally, the central data repository simplifies the management and backup of business-relevant data. The project result fully met the customer's expectations - thanks to the preceding concept phase.

## *This is what our customer says...*

*„The consolidation of the server landscape has helped us a lot. Our administration became easier. SIGMA's concept development has eliminated many project risks.“*

Andreas Kirsch, IT Manager at wittig ELECTRONIC GmbH