



## Lufttechnik Bejbl GmbH & Co. KG

To the home office with HiCAD und HELi-OS – without performance losses

Working in a virtualized environment and managing design cycles from anywhere and with high performance has not just been popular since the outbreak of the Corona pandemic. Many manufacturing companies have long been committed to the IT strategy of centralizing data and applications in the data centre so that

users can access them remotely - regardless of the device and location. Good reasons for this are often summarized in public under the following keywords: Security, mobility and time-to-market.



## REFERENCE REPORT



# HELIOS + HiCAD

CITRIX™

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Edwin Angele, managing director of Lufttechnik Bejbl GmbH & Co. KG, founded in 1980, has been implementing this flexible IT practice for Office systems, which is independent of large and noisy workstations, since 1999. Since 2014, it has also been using HiCAD server-based, the cross-industry 2-D/3-D software from the ISD Group, including the Steel Engineering suite premium, the Sheet Metal professional module and the Faro Scanner, which enables high-precision work with point clouds.

HELiOS, the PDM product from the Dortmund-based software company, has been used to manage CAD drawings since 1999. "A quite significant number in the field of ventilation systems," Edwin Angele states. Since the manufacturing plant of the German company is 30 km away, and working across locations plays a „very big role“ for the mechanical engineer, he and 15 other employees use the aforementioned software solutions in a virtual environment, via Citrix Systems.

## Virtualization with Citrix

Before virtualization with Citrix, Edwin Angele worked on a file server where authorized users could open, read, change, and delete folders and files, as well as upload their own files. In virtualization, he said, he saw the potential to greatly simplify administration and better protect data. "We don't work with the VDI solution - the XEN desktop - but with the XEN APP from Citrix. This means that we only provide our users with the application and not an entire virtual computer. Accordingly, the administrative effort is reduced. Updates can be automatically

transferred from one place to all authorized users, and it is ensured that all users receive identical program versions, making it uncomplicated to release programs to users - if necessary." Citrix integration didn't take much time, he said. "More than 20 years ago, within a week, the software was implemented and very well received by our staff. Since 2012, we have been working with the Linux-based client operating system IGEL OS and can now - especially in the wake of Corona - also very quickly move CAD workstations to the home office," says the managing director.

## Hardly any performance losses, low latencies

Edwin Angele, who chose Telekom as the provider for its DSL connections, cannot complain about performance problems: "Even very large CAD models can be handled efficiently in a virtual Citrix environment. Until last year,

### Software used:

- > HiCAD und HELiOS
- > ERP SAGE 100
- > MS Office
- > CAD/CAM for bending
- > Nesting for lasers

### Hardware used:

- > Lenovo SR650 (256 GB RAM)
- > Linux-basiertes Clientbetriebssystem IGEL OS
- > Grafikkarte M60
- > IBM Storwize (ca. 10TB)

we were connected to our production facility with a transmission rate of 30/5 Mbit. Today, this is 100/40 Mbit via fiber optics. The latencies are correspondingly low." LTE Internet access as a hotspot is sufficient for him to use HiCAD for sales purposes under Citrix VPN even at customers' sites, but W-LAN is "of course better."

### **Citrix partners are mandatory**

For all his enthusiasm for the Citrix investment, the cost of which has paid for itself „brilliantly,“ Edwin Angele advises all HiCAD and HELiOS users to look for qualified Citrix partners, "otherwise the implementation might fail." Until 2008 he performed the administration of his network, including Citrix, himself. Today, he says, that is no longer possible because of the complexity and required certificates.

"Our company therefore gets help with virtualization from stylistics support in Langenau, Germany" says the entrepreneur.

### **Brief company profile:**

- > Lufttechnik Bejbl GmbH & Co. KG
- > Citrix-Partner: <https://www.stylistics-support.net/>
- > Branche: Blech, Maschinenbau, Stahlbau, Sondermaschinenbau
- > Leistungen: Lufttechnische Anlagen, Wärmetechnik, Kühltechnik, Projektierung von Industrieabsauganlagen, Absauganlagen für Tunnelofenwagen u.v.m.
- > [www.bejbl.de](http://www.bejbl.de)



## **Success needs a strong partner!**

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