

PRÜFTECHNIK *success story*

Industry > **Service** Application > **Shaft Alignment**

Integrating digital alignment contents into the service world



Whenever a pump fails, they are ready to help: The service engineers of FSE Fluid Systems Erfurt GmbH. The core business of the company founded almost 10 years ago is the successful repair of defective pumps, motors, and aggregates. With more than 10 employees, customers primarily from the energy, water, paper, food, automotive, as well as chemical and plastics industry are serviced at a workshop area of 750 m².

Under General Manager Ulf Manthee, the experts from Erfurt are willing to try new approaches. In 2014, a new web-based assembly management system ProfiService@LINE has been implemented for reporting and documentation purposes. All processes are now digitally archived and can be retrieved online at any time. Times, when time sheets had to be completed manually, documentation arrived at the customer weeks later, or system parts were missing during repairs, are over.

Seamless integration of measurement technology

The integration of the laser-optical measurement technology for shaft alignment is one of the latest innovation in the area of digital assembly management. Since the beginning of 2014, FSE Fluid Systems Erfurt GmbH Erfurt has been using a worldwide new laser alignment system for

tablets. Until then, sophisticated laser-optical alignment tasks have been performed using the OPTALIGN® system from PRUFTECHNIK. This system will be further used in the future for complex measuring tasks. Now FSE Fluid Systems Erfurt GmbH will also be relying on PRUFTECHNIK's innovative system tab@lign®, which is operated via a tablet or smartphone app.





"We have been using the measurement systems of market leader PRUFTECHNIK for laser-optical shaft alignment for many years. I have been following the development of the digital alignment system tab@lign® with great interest. tab@lign® is the optimum solution for standard shaft alignment tasks, including quick alignment checks on machines, such as motor-pump combinations. Moreover, it simply fits perfectly into our ProfiService@LINE and is an important part of our work."

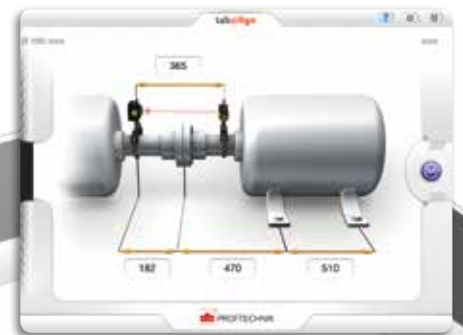
Ulf Manthee, General Manager of FSE Fluid Systems Erfurt GmbH

Lightweight luggage for service engineers

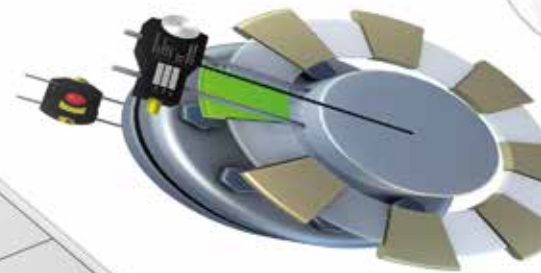
For shaft alignment tasks using tab@lign, only a tablet and a small case with high-quality measuring sensors are required. The sensors communicate wirelessly via Bluetooth with an iPad (or Android device), and enable the execution of all relevant measurement tasks directly on the tablet. A report can be prepared immediately after a fine alignment.

The report is then integrated into the overall online documentation of FSE Fluid Systems Erfurt GmbH, and can also be sent by e-mail. The customer can immediately analyze the entire pump aggregate assembly online – no matter where he is. To retrieve all relevant assembly data directly in the web browser, the customer only needs an Internet access.

With the introduction of ProfiService@LINE, FSE Fluid Systems Erfurt GmbH is one of the first service providers to distinguish themselves by integrating digital contents into the service world. With that, the company offers every customer ideal conditions for the introduction of Industry 4.0, which defines the future trends to process, method, and strategy virtualization and networking in the maintenance sector. ■



Screens from the tab@lign® app



- ▶ Made in Germany
- ▶ Global Presence
- ▶ Qualified Support
- ▶ Quality Service

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