



# Data collection with strong potential

**GPV Denmark uses DIAP to optimize production and increases output with 10% in 6 months**

**For data collection and calculation of OEE on 4 state-of-the-art SMT production lines, DIAP was the futureproof choice for the global EMS manufacturer GPV. By measuring OEE alone, GPV has in only 6 months been able to increase their output by 10%.**

## In short

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## The challenge

In 2016, global EMS manufacturer GPV made a major investment in high-tech production lines for their SMT production in Denmark. The investment was made with the purpose of consolidating GPV's position as global leader in a market characterized by high requirements to both quality and flexibility.

Watch the full video of GPV using DIAP



To ensure the highest possible performance of their new production lines, GPV started looking for a solution that would help them calculate the OEE of their production. With a modern production environment, the operators at GPV play an important role in the daily production, and GPV was therefore searching for a solution that would involve the active contribution of the employees. In addition, they wanted a future-proof system targeted for industrial use and offering the possibility of future expansions.

## The solution

In March 2018, the DIAP platform was installed in the SMT production in Denmark. DIAP collects real-time data from all 4 production lines and sends the data to a secure cloud storage. From here, the DIAP OEE application analyzes and visualizes the data.

By measuring OEE alone, GPV has in only 6 months been able to increase their output by approx. 10%. However, they see a strong potential in DIAP and are planning to use more of the features included in the platform as soon as possible.

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*"The DIAP platform will let us measure so much more than OEE. As soon as we are ready, we will start using the other DIAP functionalities such as alarm monitoring and analysis of various types of real-time data,"* says Anders Thomsen.

In the slightly longer term, the Predictive Maintenance application included in the DIAP platform will also be of interest to GPV.

Apart from the obvious benefits of its functionalities, GPV chose DIAP due to the global set-up and the fact that they will be able to use the platform equally in all of their production sites. Consequently, the EMS manufacturer has already ordered DIAPs for their second production site in Denmark and for their two factories in Thailand and Mexico.

### Key value drivers

- Future-proof solution designed for industrial use
- Fast and easy installation and use
- Maximum performance of new state-of-the-art production equipment

### Outcome

- ✓ Output increase of 10%
- ✓ Fast and easy installation
- ✓ Real-time OEE overview
- ✓ Data collection and automatic analysis
- ✓ Maximum performance of state-of-the-art equipment
- ✓ Secure cloud storage

