

## CASE STUDY

# Faster detection of production defects: Foxconn cut time to insight from hours to minutes

With self-service analytics, key production reports are now created in 15 minutes instead of the original 6 hours.

Time to insight **from**  
**hours to minutes**

Production reports  
in **15 minutes**

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# FOXCONN

- 📍 Czech Republic
- ⚙️ Manufacturing
- 👥 5000+ employees

## Use cases

- ✅ Reporting and analysis of production defects
- ✅ Analysis of production productivity and efficiency

## Technologies used

- Qlik Sense
- Qlik NPrinting

## Problem

As production capacity and order volumes in the Czech Republic gradually increased, the complexity of Foxconn's IT environment and the amount of available data grew significantly. Information was coming from many different departments, making it increasingly difficult to gain a unified, up-to-date, and clear overview.

Traditional reporting based on MS Excel and heavy reliance on the IT department was no longer sufficient. The existing tools could not efficiently handle very large volumes of data or answer new analytical questions focused on the root causes of problems. This slowed down decision-making, reduced flexibility, and limited the ability to respond quickly to changes in production.

## Solution

We implemented self-service analytics in Qlik Sense, connecting production, logistics, and quality data from key systems into one high-performance analytics environment. As a result, Foxconn significantly reduced the time needed to prepare reports, can identify root causes of production defects faster, and enabled business users to work with data without relying on IT.

### Before

- ⚠️ Difficult and slow identification of root causes in production issues
- ⚠️ Limited ability to analyze large volumes of data
- ⚠️ Reporting mainly based on MS Excel and MS Access
- ⚠️ Strong business dependence on the IT department

### After

- ✅ Significant reduction in the time needed to prepare reports
- ✅ Fast analysis of production defects and productivity
- ✅ Self-service BI available directly to business users
- ✅ Ability to view data from different perspectives

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## Solution

- ✔️ Shortened time to insight
- ✔️ Deployment of Qlik Sense as a self-guided visual analytics platform
- ✔️ Focus on ease of use while maintaining high analytical performance
- ✔️ Gradual implementation from pilot areas into production and logistics
- ✔️ Integration of key data sources, including SAP, shopfloor systems, and Excel
- ✔️ Parallel testing of multiple BI tools and detailed comparison of their capabilities

The benefit of Qlik lies in its technology. Its technological engine is well-tuned and powerful, which means a very good price-to-performance ratio. We can get to results very quickly, mainly thanks to the in-memory technologies the solution is built on. In addition to fast analytics, the visual aspect and user-friendliness are also important.

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# How much do late-detected errors cost you?

We'll show you how to detect production issues early and reduce losses.



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