



— Productivity per employee in the production increased by approximately 35 % over 2 years.

## GKN Driveline increased productivity by 35 %

GKN Driveline decided to invest in a system for downtime monitoring when they realized that their machines had more potential than was used.

GKN Driveline did not achieve their goals of machine utilization and productivity. They had inadequate facts about the efficiency of the machines, such as cycle times, utilization of machines and number of stops and causes.

GKN Driveline is the world leading provider and a global manufacturer of CV-joint systems, All Wheel Drive Systems, Trans Axle Systems and eDrive systems. Axxos OEE is currently installed on over 100 machines at GKN Driveline in Köping, Sweden.

Using Axxos OEE visualizes information about machine availability in the form of OEE-value per machine, frequent downtime causes and the number of units produced per shift, week, day and hour. By visualizing these ratios many problems and stop causes in the production can be identified and removed.

### About GKN Driveline

GKN Driveline is a leading manufacturer of four-wheel drive systems (AWD) for passenger cars. The company was founded in 1856 and was until 2011 owned by Getrag, Volvo Cars and Dana. Today the company is owned by GKN Driveline. Their headquarters are located in the UK and GKN has a total of approximately 45,000 employees worldwide. Production and product development are located in Sweden with about 700 employees.

“ — Axxos is an important factor in the improvement process at GKN Driveline in Sweden.

## Focus on the improvement work

When Axxos OEE was installed at GKN Driveline they began working with greater focus on the improvement work. During this time they increased the number of stations where a manual down-time log was conducted. The manual logs they performed did not work in a satisfactory manner.

— *A typical operator is responsible for 3-5 machines which causes difficulties for manual logging of lost production time. Additionally compilation of data required a lot of work for many involved, often leading to duplicating work.*

Before installing Axxos OEE, GKN also performed short targeted follow-ups. That solution captured only the current situation, which was a shortcoming.



At each machine group there are reports that among other things show the availability, machine utilization and quality yield.

## How do you conduct your daily improvement work?

— *At department level, we work continuously with five priority disruptions based on downtime and stop frequencies. Cutting-edge transfer times and frequencies, setup times, and monitoring and restoration of cycle times are typical activities.*

An improvement center is located right in the center of the factory where all employees can see current information on how well each manufacturing department works. It features reports on OEE-ratio of the machines, the output of the bottleneck machines and total output.

Every Tuesday, we gather all department managers for a short debriefing, this usually takes no more than 30 minutes. Each manager reports the previous week's output against planned targets, both overall for the department, but also for machines that constitute bottlenecks. During the meeting, items that the teams in the departments can not solve themselves are prioritized.

## Axxos is an important piece of the puzzle

The Axxos installation is part of a greater focus with daily regulation and better resource prioritization. Productivity per employee in the production has increased by approximately 35 % over 2 years.

Axxos is an important factor in the improvement process along with increased production and changes in the organization and working methods.

### GKN Driveline has by using Axxos OEE:

- Increased productivity per employee by about 35% over two years.
- Gained control over machine cycle times.
- Created an improvement center in the factory with current information about each department.

## Functions at GKN

- ◆ Downtime Monitoring
- ◆ Order Tracking
- ◆ OEE-measurement
- ◆ Axxos Analyze - for in-depth analysis
- ◆ Axxos Visualize - visualizing production data on screens throughout the factory

### Satisfied customers







