

CASE STUDY

Manufacturer reclaims 8-hour shift with support from Verdusco Consulting

How a robotics solution led to 18% production time savings.

REALIZING THE PROBLEM

The automation line is like the kidney of a manufacturing plant—a system designed to filter out errors, monitor performance, and optimize production. Even a minor glitch could cause delays, waste, and defects in production.

Our customer, a manufacturer serving the automotive sector, grappled with hidden automation issues in their plant from the get-go. They first noticed a slight loss of efficiency. Then, a severe production decline followed. **Working 9-hour shifts became the new normal for completing what was supposed to be finished in 8 hours.**

For our client, it was time to put the genie back in the bottle.

FINDING A CURE

The pressure to reinstate 8-hour shifts and fulfill commercial obligations with various stakeholders was undeniable for our client.

Dealing with a staff shortage only exacerbated the situation, as the same team put extra hours for regular tasks and to study the possible reasons behind the production slump.

With keen eyes, our client identified the root cause of the problem. Solving the issue called for two immediate actions:

1. **Making improvements in the automation line after a thorough analysis.**
2. **Bringing in the specialized support that could get the job done.**

Lucky for us, Verdusco Consulting was their contractor of choice.

TAKING ACTION

Our client instructed us to start right away. In three (3) steps, they would see their issues resolved:

1. **Insights gathering:** Verdusco engineers assessed the automation system from top to bottom.
2. **Defective unit identification:** We analyzed production records from different periods to break down the plant's state and spot the faulty device(s).
3. **Solution pitching:** We found the culprit and designed a remedy for our client's burden. It implied updating their robotics system's motion, a key piece of the automation line. **Upon approval, they'll gain at least 5% in time savings.**

Harmonious collaboration and attention to detail were vital to landing a solution before anyone could have anticipated it.

A SUCCESS STORY

Three months after installation, our client started to report **production time savings above 18%.**

The solution's success was used as a model to improve other parts of the line.

Struggling with automation? Schedule your appointment now!