



Boosting Confidence in Resourcing Decisions

Bosch Sensortec turns to Keysight Eggplant Test and Services

Organization

- Bosch Sensortec

Challenges

- Significant manual testing time
- Accuracy critical

Solutions

- Trained in best practices
- Cultivated testing strategy

Results

- Testing time down from hours to minutes
- Consistency and confidence in software releases

Introduction

Bosch Sensortec is a technology leader specializing in sensing solutions based on micro-electromechanical systems (MEMS). With a focus on the consumer electronics industry, Bosch Sensortec's success in MEMS sensors and solutions comes from a remarkable team driven by delivering innovative solutions to meet the evolving needs of customers worldwide.

Leading brands of smartphones, tablets, wearables, augmented reality / virtual reality (AR / VR), and IoT devices use the Bosch Sensortec MEMS technology. Its widespread adoption and incorporation across these industries exemplify its significant role in improving and enriching our lives. Behind the complex engineering and manufacturing line, the engineers also rely on software to ensure everything works.

Challenges: Accurate Data-driven Decision-making

We spoke to Oliver Lenz, project manager at Bosch Sensortec, to understand what challenges they were facing and how that led them to engage with Keysight Eggplant Test Software and Services.

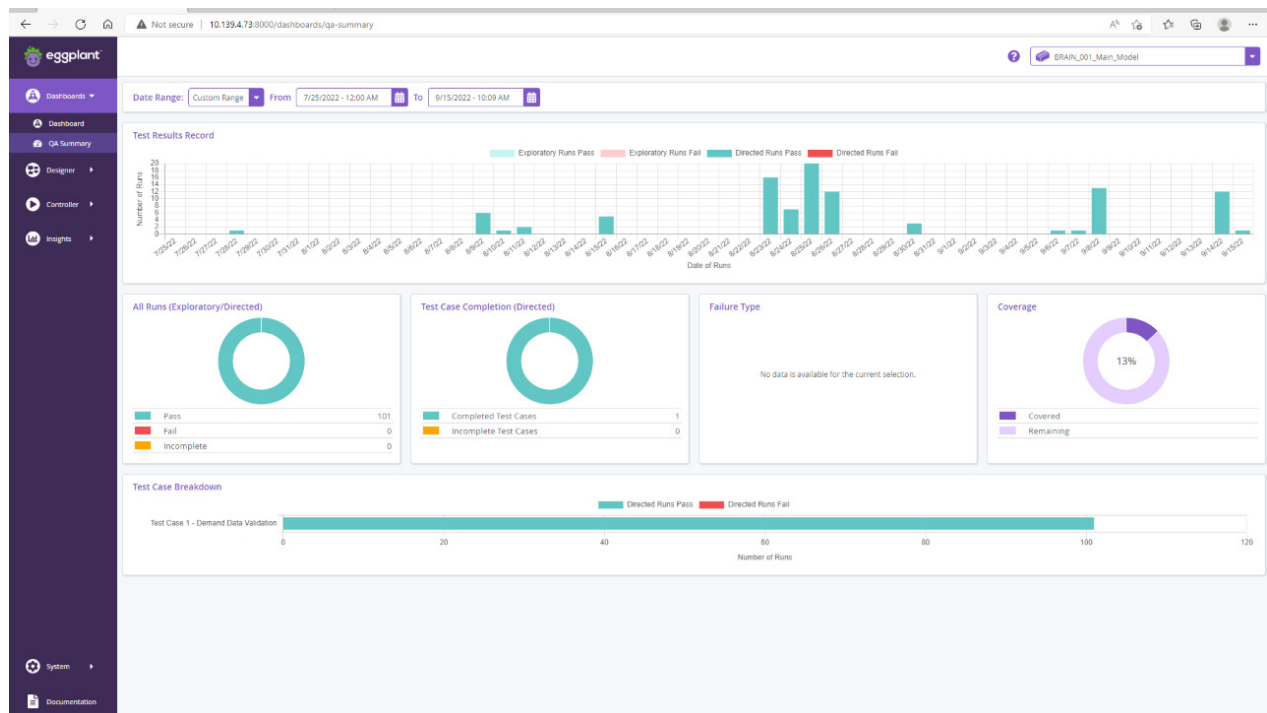
Lenz explained that their team uses a resource management application called BRAIN, which handles a large amount of information. The accuracy of this tool is critical since the reported data helps the business make important resourcing decisions, such as when and how many people to hire. Avoiding errors at all costs is crucial due to the significant financial and human resource consequences resulting from making the wrong decisions.

“Before Eggplant, we were testing BRAIN manually, but the process was time-consuming and not as accurate as we wanted it to be. We wanted to learn best practices and upskill our QA team so we could improve our testing strategy. That is why we’ve decided to partner with the Eggplant Services team.”

Optimization of testing time

Due to the ever-increasing volume of this data, it was becoming progressively more challenging and time-consuming to validate. Validation took many hours of engineering time, impeding the engineers to perform other high-value activities.

“Working with the Eggplant Services team using Eggplant Test Automation allowed us to have more flexibility and test more in less time. Not only were we able to reduce the testing time from hours to minutes, but there has also been a huge improvement in consistency and confidence in new software releases.



Eggplant Test software reporting capabilities gives the user one dynamic dashboard to get all the information they need to make critical decisions

Solution: Eggplant Test and Services

Bosch Sensortec chose Eggplant Test as their software test automation tool to improve the speed and coverage of their testing, given their requirement to release updates to BRAIN monthly.

Once the team had been through the Guided Adoption program and were up and running using the software, they identified an opportunity to accelerate their time-to-value by engaging Eggplant Services. By using the Eggplant Services Augmentation solution, Bosch Sensortec can fully integrate their expertise in test case implementation for optimal business outcomes.

Assistance 24/7

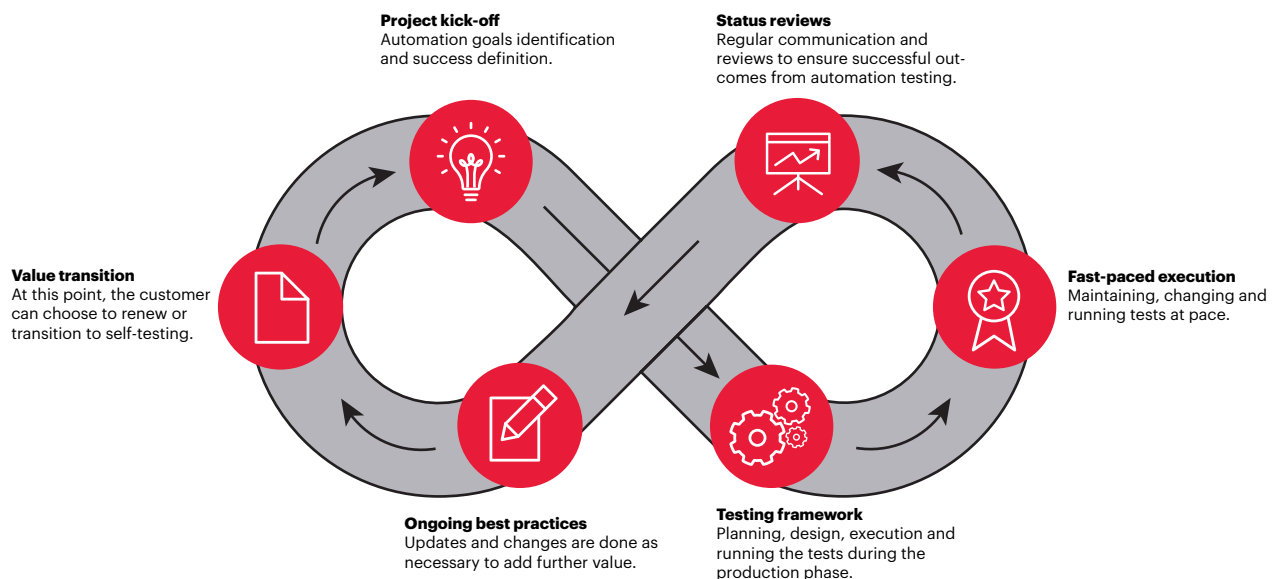
Development cycles are complex and often involve teams working in different time zones. In the case of Bosch, having timely assistance readily available played a pivotal role in their journey with Eggplant.

“Being able to speak to a member of the team whenever needed was useful due to our QA team’s location. They would be able to liaise with the Eggplant Services team without time zone limitations, which allowed us to complete our project much sooner.”

Learning at your pace

Whenever someone learns a new technology, regardless of how simple it is, there will always be a learning curve that impacts the velocity of desired outcomes. Eggplant Services has a series of options tailored to each customer’s needs and priorities to accelerate achieving these outcomes.

“Learning directly from automation experts using Eggplant Services enabled our team to fast track their learning, adopt best practices, and see the value Eggplant Test could have in future projects.”



The Eggplant Services Augmentation program enables organizations to integrate best practices to fully accelerate their time-to-value

Results

Bosch Sensortec has derived tangible benefits from collaborating with Eggplant Test and Services, including a quicker return on investment through the writing and delivery of test cases by the Eggplant Services team. The following are additional advantages:

- Decrease in testing time from hours to minutes.
- Less time spent investigating errors led to an improvement in test coverage.
- Increased confidence in the quality of new releases due to adopting best practices.

Resources

Learn more at <https://www.keysight.com/gb/en/products/services/software-testing-services.html>