

How T-Plan Helped a Defence Organisation Automate Testing for a Critical COVID-19 App

At T-Plan, we work with organisations that require precision, security, and efficiency in their software testing. One of our recent clients—a leading defence sector organisation—needed a robust automation solution to support the development of a critical COVID-19 application.

This application was designed to manage and distribute public health information, requiring seamless cross-platform performance across iOS, Android, Windows, macOS, and Linux. Given the urgency of the pandemic, they needed a fast, reliable, and scalable test automation solution.

The Challenge

Before using T-Plan, the organisation faced several critical testing challenges:

- **Cross-Platform Testing Complexity** – The application had to work flawlessly across multiple desktop and mobile operating systems.
- **Time-Sensitive Deployment** – With tight deadlines, traditional manual testing was too slow and resource-intensive.
- **Accuracy & Reliability** – As a public health tool, the application needed to be error-free and highly stable.
- **Security & Compliance Requirements** – Operating within the defence sector, the organisation had strict security and regulatory standards to meet.

Why T-Plan

With over 25 years of experience in GUI Test Automation, T-Plan was shortlisted due to its strong track record in high-security sectors, including defence, healthcare, and finance. The organisation evaluated multiple automation tools but found that many solutions lacked the flexibility and cross-platform capabilities required for their project



**Installed, set-up and
running tests in 15
minutes**

Use Case - Defence

Rapid Implementation & Immediate Benefits

One of the standout advantages of T-Plan was the speed of deployment and the immediate impact it had on the client's testing efficiency. Given the critical nature of the COVID-19 awareness app, there was no room for delays.

Key Benefits for Our Client

- **Cross-Platform Functionality** – The ability to automate testing across iOS, Android, macOS, Linux, and Windows meant that the team could write one test script and execute it across multiple environments, eliminating the need for redundant manual testing and significantly reducing developer time.
- **In-Situ Testing for Mobile Versions** – The defence organisation was able to test real-world mobile software versions in their native environments, identifying and resolving UI inconsistencies early in the development cycle. This proactive approach reduced the risk of bugs impacting end users.
- **Exceptional Technical Support** – Providing a hands-on, solution-driven approach, ensuring that any challenges were quickly resolved. The client's team valued the deep technical expertise and responsiveness of T-Plan's support team, allowing for seamless adoption of the tool.
- **Adaptability to Evolving Needs** – Unlike rigid automation solutions, T-Plan was flexible enough to evolve alongside the client's requirements.
- **Ease of Use & Quick Learning Curve** – The tool's intuitive, low-code/no-code interface allowed testers to quickly build, execute, and maintain test scripts without extensive training.
- **Cost-Effective Licensing Model** – The client highlighted the pricing structure as a key advantage, offering a more competitive and scalable licensing model compared to other automation solutions.

By implementing T-Plan Robot, the organisation dramatically improved testing efficiency, ensured cross-platform consistency, and achieved a rapid return on investment—all while maintaining the security and compliance standards essential in the defence sector.

Conclusion

For organisations in defence, public health, and other regulated industries, T-Plan provides a proven, adaptable, and cost-efficient test automation solution. Whether ensuring cross-platform functionality or meeting security and compliance standards, T-Plan Robot delivers results—fast.



Our test team were able to start producing a script in a usable test entity in 15 minutes. To be able to achieve this and have the ability to start repeating tests within 3–4 hours is quite amazing.”

Principal Software Engineer