

In-Vehicle Infotainment (IVI) Test Automation

“ With T-Plan Robot you have a consistent UI across multiple platforms . . . to have the ability to start repeating tests within 3-4 hours is quite amazing ”

T-Plan has been delivering best-of-breed test automation solutions for 20 years. T-Plan Robot is used across the automotive industry to improve the overall quality of their in-vehicle infotainment (IVI) systems, and head-up displays (HUDs).

AUTOMATIVE USER EXPERIENCE (UX)

- Human Machine Interface (HMI) Test Automation to validate User Experience (UX).
- Verification of custom UX across models, to enhance brand identity.
- Localisation & Internalisation of interface continuity & compliance.
- Integration testing of in-vehicle components & interoperability. E.g. mobile connectivity & other devices.

CHALLENGES OF HMI TESTING

- Technically challenging to test systems due to device & OS fragmentation.
- HMI testing of the UX is complicated by the plethora of complex user interfaces that exists between model lines, & companies. E.g. buttons, menus, screens, and layouts.
- With the wide range of devices available in the market, ensuring consistent operability across different screen sizes, resolutions, and hardware capabilities is a challenge in HMI testing.

BENEFITS OF AUTOMATED HMI TESTING

- Execute the testing of real user journeys, across multiple devices simultaneously. Save time & resources.
- Automate across Apple CarPlay & Android Auto IVI's, using the same scripting tool. Ensures repeatability & consistency.
- Automate functional, regression, and UI testing tasks 24/7/365. Robots work overnight to deliver continuous ROI.
- Re-purpose staff away from mundane menu & language testing, saving resource & enhancing job satisfaction.



Trusted Business Automation

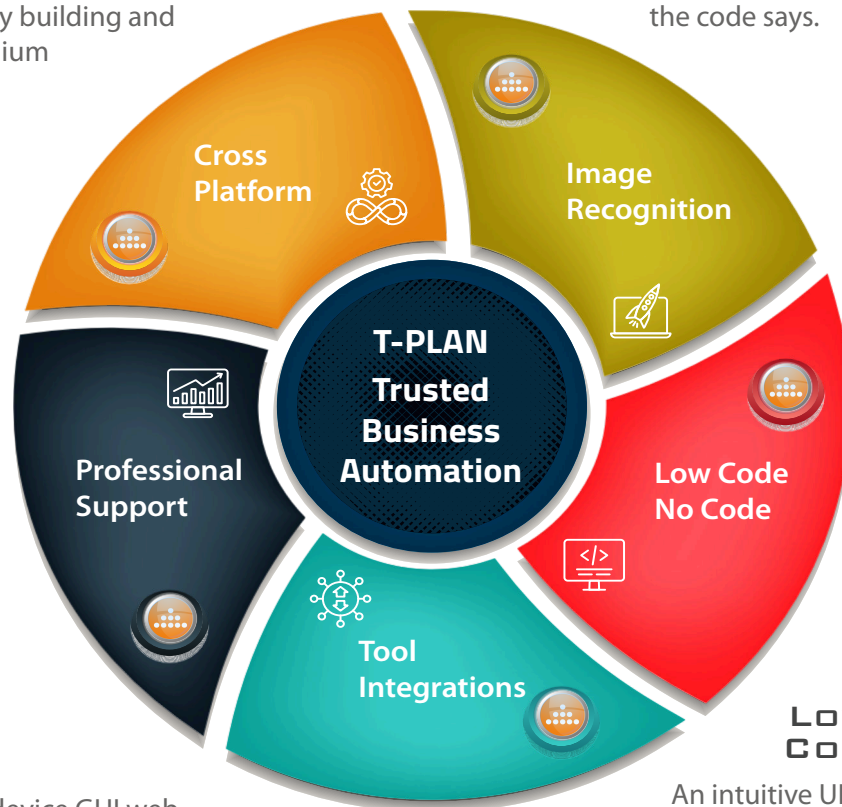
PLATFORM AGNOSTIC, SEAMLESS INTEGRATION

TOOL INTEGRATIONS

A vast number of integrations are available, including Selenium Object Automation support saving you time, effort and money building and maintaining the Selenium testing framework.

IMAGE RECOGNITION

Delivering critical user feedback from the perspective of the end user. Validate what you see not what the code says.



PLATFORM AGNOSTIC

Cross-browser, cross-device GUI web and mobile automation. Web and Desktop Automation on Mac, Windows and Linux using same

LOW CODE/NO CODE

An intuitive UI designed to be used by both technical and non-technical staff with drag and drop functionality.

GUI TEST AUTOMATION WITH T-PLAN ROBOT

"I have never experienced such a quick reaction from any company I have contacted yet."

Lufthansa Systems, Máté Gál

