CASE STUDY

Enhancing Regression Testing in Electronics: GME's Transformation with Inflectra

The Company

- GME Pty Limited is a preeminent manufacturer and wholesaler in Australia's radio communications sector, recognized for its extensive global network of dealers and service agents
- **Industry:** Consumer Electronics, such as 4WD & Touring, Boating & Fishing, Agriculture & Heavy Vehicles, and Outdoor Recreation
- **Team Size: 50**
- **Number of Projects: 35**

The Challenge

GME Pty Limited faced a significant challenge in managing the lifecycle of their consumer electronics, particularly with regression testing as products neared their end-of-life phase. Their primary concern was to find an effective solution to streamline their application lifecycle management and test automation.

The Project & Objectives

GME deployed SpiraTeam on their **Project XRS390** with a strategic objective of developing an IP67, a GPS-enabled version of the XRS radio.

Enhancing Regression Testing in Electronics: GME's Transformation with Inflectra

Previous Tools Used

Prior to adopting Inflectra's platforms, GME relied on tools like **Excel,** which proved inefficient due to excessive setup and maintenance requirements.

Why SpiraTeam?

GME's decision to use SpiraTeam was influenced by:

- **Proven Track Record**: Effective performance in previous projects.
- **Deployment Versatility:** cloud and on-premise options.
- **Cost-Effective Licensing:** Competitive pricing model
- **Advanced Functional Features:** Compliance, traceability, auditability, requirements management, and test automation capabilities.

The Project Outcome

With SpiraTeam, GME achieved an effective verification and validation for market release. Specifically, the company

- Significantly improved the process of setting up requirements and matching test cases.
- Efficiently managed the entire product lifecycle, including regression testing for electronics approaching the end-of-life.

Unexpected Benefits:

The built-in document management system within Inflectra's products was particularly beneficial.

Enhancing Regression Testing in Electronics: GME's Transformation with Inflectra

Competitive Advantage

Inflectra's turnkey solutions allowed GME to implement robust software practices quickly, reducing setup and implementation time of requirements and test cases from months to days.

The effectiveness of remote test features for regression testing automation further enhanced GME's competitive edge in the consumer electronics industry.

Future Plans

GME plans to further expand their use of Inflectra's platforms, focusing on scaling the use of requirements and test cases.

> "The speed at which we could set up the requirements and matching test cases in Inflectra's system was quite impressive. The Remote test feature was particularly beneficial for automating regression testing.

Derek M.
PMO & Portfolio Manager

Customer Satisfaction

- **Inflectra Support Team Rating: 10/10**
- **Likelihood to Recommend SpiraTeam: 10/10**
- **Quality of Outcome: 6/6**

For more information on how Spira can benefit your organization, contact sales@inflectra.com.

spiraTeam ®

inflectra ®

The Inflectra AWS Partnership

Inflectra's customers work in mission-critical and high-assurance industries, and consequently expect the highest levels of service. For this reason, Inflectra hosts all of its applications on the proven Amazon Web Services (AWS) global infrastructure. Inflectra offers its customers a trusted lifecycle management platform for delivering critical products and services on-time and with the highest quality. The partnership with AWS lets us focus on delivering application services, knowing that the infrastructure has world-class security, reliability and safety built-in.

In addition, the flexibility and agility of the AWS platform has let Inflectra expand and scale its business to meet and exceed customer requirements as their needs have grown. We have been able to add regions and services as our customers globally expanded.

GME: How Inflectra and AWS Delivered Results

⫸ Solution

Deploying Spira from Inflectra, hosted in AWS EC2 in Sydney and Melbourne regions, GME achieved effective verification and validation for market release.

Specifically, the company significantly improved the process of setting up requirements and matching test cases, efficiently managed the entire product lifecycle, including regression testing for electronics approaching the end-of-life, and leveraging the robustness of AWS EC2 running on AWS EBS replicated using AWS Lifecycle Manager to provide a robust and highly performant solution.

⫸ Results and ROI

Inflectra's turnkey solutions allowed GME to implement robust software practices quickly, reducing setup and implementation time of requirements and test cases from months to days (a 97% performance improvement). The effectiveness of remote test features for regression testing automation further enhanced GME's competitive edge in the consumer electronics industry.

GME gave the Inflectra Tech Support Team a perfect 10 out of 10 rating for their role in the project's successful implementation and ongoing management. GME rated their likelihood of recommending Inflectra's platform to a friend or colleague as a perfect 10 out of 10, and the quality of the outcome as a perfect 6 out of 6, underscoring their satisfaction and trust in Inflectra's solutions.

Features

Reliability & Privacy

Our customers care about data privacy and service reliability above all else. Inflectra has designed its SaaS platform using the flexibility of AWS to have six discrete privacy regions that ensure data sovereignty and privacy requirements are always met. Currently we are able to host data for customers in the USA, Canada, Europe, India, Australia, and Singapore. Each region offers multiple availability zones and both a primary and disaster recovery region

AI-Enabled Traceability

Our customers need to be able have complete traceability from their business requirements to all of the software development and testing assets managed within the Inflectra platform. We leverage the power of AWS CodeBuild and DeviceFarm to provide an integrated DevOps solution dashboard in a 'single pane of glass'. Embracing the power of GenerativeAI, our platform includes an innovating AI assistant using AWS Bedrock that lets customers generate tests, tasks, code and risks from their business requirements and user stories.

Visit AWS Marketplace to purchase or start a Free Trial today. ⫸

Get started with Inflectra solutions on AWS

Inflectra® Contact: Jessica Moore | jessica.moore@inflectra.com

aws Qualified Software

aws PARTNER DevOps Software Competency