

# HME360 Partners with Enhops to Ensure Consistent Quality and Faster Releases

Through QA and Test Automation

## About the Client

HME360 is a leading SaaS technology provider specializing in RFID and barcode inventory management and asset management solutions for the Home Medical Equipment (HME) industry. The HME360 platform enables real-time visibility of item movement, helping organizations in healthcare, home health, hospice, and home infusion industries to streamline the tracking and management of Durable Medical Equipment (DME).

## Business Situation

As HME360 is experiencing rapid growth, the demand for faster releases has increased. However, with manual testing it was difficult to keep pace with the development lifecycle. With both web and mobile applications (Android and iOS), performing regression and smoke testing manually for every release became a time-consuming effort. Critical modules required thorough and real-time testing, making it essential to find a more efficient and scalable approach.

With web and mobile applications (iOS & Android), ensuring seamless releases across platforms requires a DevOps automation strategy. Given the complexity of web and mobile testing, automation became the natural choice to expedite manual efforts and maintain efficiency.

HME360 chose Enhops as their trusted partner to implement a scalable test automation architecture. Enhops started with a discovery phase to understand current testing processes, application architecture and key scenarios for aligning test automation with business goals.

“Enhops brought structure to our QA and test automation efforts. Their collaboration helped us streamline testing across platforms without disrupting our development workflows.

- Zane Schott, CTO, HME360

## Solutions: A Unified Test Automation Architecture


### Key Initiatives:


- 1 Test Automation Architecture Implementation:** Ranorex was used as the primary automation tool to build a data-driven framework and integrated Appium Server to enable cross-platform test execution. This architecture was fully integrated into the HME360 CI/CD pipelines, supporting efficient and continuous automated testing.
- 2 CI/CD Integration & Real-Time Reporting:** Enhops helped enhance the test automation architecture by integrating it with Azure DevOps test plans streamlining test execution, reporting and continuous monitoring. With automation embedded into the CI/CD pipeline, every code change now triggers test runs—delivering immediate feedback, early bug detection, and quicker resolution. This helped in:
  - **Early Bug Detection:** Automated tests ran with each build, catching issues faster.
  - **Real-Time Insights:** Test results were instantly available, improving visibility.
  - **Faster Feedback Loops:** Continuous testing accelerated releases and improved quality.
- 3 Enhanced Test Reporting:** Ranorex helpers were implemented to automate test reporting and email execution testing updates to stakeholders. Detailed logs and summaries provide clear insights into issues, enabling faster resolution.
- 4 Client Training & Knowledge Transfer:** Enhops works very closely with the HME360 team to ensure adoption of various QA and testing best practices; e.g. CI-CD test executions.





# Outcomes: Consistent Quality and Faster Releases

With a structured automation strategy and comprehensive reporting in place, HME360 achieved better test coverage and efficiency in testing practices.

 **Improved Visibility:** Automated reporting provides real-time test execution insights, detailed logs, and actionable analytics—streamlining debugging and enhancing data-driven decisions.

 **Improved Product Quality:** Automated regression testing ensured that critical functionalities remained stable, even with frequent updates. Real-time defect detection led to a smoother, more reliable user experience.

 **Optimal Usage of Resources:** With reduced reliance on manual testing, QA and development teams can focus on higher-value tasks, improving efficiency and lowering operational expenses.

 **Reduced Deployment Risks:** Continuous testing minimized failures by catching defects early, ensuring stable releases and reinforcing customer trust through consistent, high-quality experiences.

## Testing Implemented

- Automated Regression
- Automated Smoke
- Exploratory

## Tools Used

- Ranorex
- Appium
- Azure DevOps

## Measurable Outcomes

- Developed and automated over 1300 test scripts, addressing both functional and regression needs across web and mobile platforms.
- Web and Mobile automation covering close to 50-60% of total testing, significantly minimizing manual testing efforts.

HME360’s commitment to delivering high-quality applications led to a strategic investment in a test automation architecture.

### About Enhops, A ProArch Company

Enhops works at the forefront of Quality Engineering and Software Product Engineering solutions to suit the most unique business needs. Enhops was established in 2015 with a vision of driving Digital Disruption across industries through ‘Quality-Engineering’, ‘Automation-First’, and ‘Smart Testing’. Our philosophy has always been to partner with our clients in their Digital Transformation journey.

Blending Enhops’ Quality Engineering capabilities and ProArch’s two decades of expertise in Software Product Engineering, we are a true partner who delivers value-based outcomes.



A proarch company

marketing@enhops.com · enhops.com

United States  
Atlanta, Georgia  
Rochester, New York

Europe & Asia  
London, United Kingdom  
Bangalore, India  
Hyderabad, India