



Case Study: Powerlink Crowdsourced Testing

Crowdtesting energises website upgrade for Powerlink

Executive Summary

Application Type

- Live corporate website, Powerlink.com.au, and backend CMS

Test Types

- Exploratory testing
- Functional testing
- Performance testing
- Usability testing
- Cross Browser / Cross Device / Compatibility testing

Key Results

- Powerlink was expecting 30-40 defects but 125 defects were found
- Ramped up to 100 testers in hours
- All crowdtesting was integrated via HPE ALM
- Cost-savings: over 50% compared to traditional testing

Functions Tested

- Upgrade to CMS
- Property search functions
- Indexing and search results
- PDFs and brochure-style webpages

Service Delivery Model

- Managed Service: Our crowdtesting was part of range of software testing services we provided to Powerlink

Deliverables

- Defect Log (reviewed, validated, duplicates removed)
- Test Summary Report

“Powerlink were very pleased that crowdtesting gave them a solution to simulate public usage of its site on a wide range of platforms, before the site went live.”

- Myrim Margolis, Test Manager, Revolution IT Crowdsourced Testing



Background

Powerlink's electricity transmission network transports high voltage electricity for leading distributors including Energex, Ergon Energy and Essential Energy, and for many large corporate clients such as aluminium smelters. To develop, operate and maintain their electricity transmission network, many Powerlink projects involve the public and have a public interest. Its website features a paid property search service where the public can find out if Powerlink have an interest within 500m of a particular property. Also, its corporate website is its key platform for keeping the public up to date and informed.

To enable Powerlink to manage content updates in-house, Powerlink needed to update its CMS while all public-facing functions and components were unchanged. To upgrade Powerlink's CMS successfully, it was crucial to test the upgraded site on multiple operating systems and devices. Powerlink also needed its crowdtesting to integrate with a number of other quality assurance services, provided by Revolution IT.

Crowdtesting integrated with a number of other quality assurance services, provided by Revolution IT

125 valid defects found

Powered by  crowdsprint

Our Solution

As a Government Owned Corporation, Powerlink required an all-inclusive testing process covering performance testing, delivery acceptance testing, user-acceptance testing and exploratory testing. Revolution IT developed and delivered testing across all components, including briefing and managing exploratory testing conducted via crowdtesting, and deploying and upgrading Powerlink's test management tool, HPE ALM.

Our on-site test manager uncovered numerous website issues that needed to be addressed before the site was passed to crowdtesters. Addressing these issues led to extra time constraints on our crowdtesting team. Nevertheless, it only took hours to assemble a team of professional testers who matched Powerlink's requirements for devices and operating systems under test. Once our testing team went to work, an original estimate of 30-40 defects ballooned out to 125 validated defects.

All defects found by our crowdtesters were entered into HPE ALM. Now Powerlink could quickly and strategically address its most urgent defects. This ensured a critical go-live date was met, and that a high-quality site went into production.

Client Response

Powerlink was particularly impressed with the number of defects found in a short amount of time. Also, by testing its website on a large number of devices and operating systems, Powerlink's project team were able to confidently move its upgraded website to production, and are now harnessing a range of efficiencies in-house thanks to their newly upgraded CMS.

