

Energy Sector Client

Resilient infrastructure for critical citizen-facing services

Redeveloped as pre-built pages on a content delivery network, cheaper to own and free to move host.

Lower ownership costs

Nothing on the public path to run or patch, and £1.2 million lower cost over seven years.

Easier to change

A decoupled publishing system lets the right people make changes at critical times.

Free to move

Edge and client-side delivery makes hosting a commodity, so the service can change provider.

More available

Three layers of fallback cover a component failure with another delivery path.

CHALLENGE

The organisation's public information service ran on a conventional server-and-database platform, sized and paid for at peak and movable only by moving servers and data. The redevelopment was the opportunity to change the architecture: the organisation wanted **critical citizen-facing infrastructure** that cost less to own, that its own team could run, and that did not depend on one hosting provider.

SOLUTION

We redeveloped the service so the work happens at publication rather than on each request. No server or database sits on the public path, so peak traffic is handled by an **edge compute and storage network**, and pages keep being served when the systems behind them are unavailable. A decoupled publishing system lets the organisation's own team release changes during peak demand without touching what the public is reading, and open standards mean the service can **move between hosting providers** without a rebuild.

	PREVIOUS PLATFORM	REDEVELOPED PLATFORM
Pages are made	On every request	Once, at publication
A request is answered by	Application servers and a database	A file at the network edge
Peak traffic needs	Capacity bought in advance	Nothing extra from the organisation
Changing host means	Migrating servers and data	Serving the same files elsewhere

£1.2m

LOWER COST OF OWNERSHIP OVER
SEVEN YEARS

100k+

REQUESTS PER SECOND SUSTAINED
IN LOAD TESTING

99.99%

OF REQUESTS ANSWERED
SUCCESSFULLY IN LOAD TESTING

CONCLUSION

The redevelopment gave the organisation a service that costs **£1.2 million less to own over seven years**, that its own team can change at critical times, that keeps serving when components fail, and that can change provider when it needs to. A LiveWyer team delivered it as code, with the documentation and upskilling for the organisation's own people to operate and maintain it.

Thank you for reading

Running a public service on ageing hosting? Get in touch to discuss redeveloping it.

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