



centrica

A KIUWAN
**SUCCESS
STORY**

 **kiuwan**

A KIUWAN

SUCCESS STORY

SUMMARY

Country United Kingdom

Type Public Limited Company

Industry Utilities

Business Goals Centrica PLC is a British multinational energy and services company with its headquarters in Windsor, Berkshire. Its principal activity is the supply of electricity and gas to businesses and consumers in the United Kingdom, Ireland and North America.





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BUSINESS GOALS AND STRATEGY

Centrica's strategy is founded on an analysis of market trends and sources of growth, and the capabilities and efficiency necessary to pursue them profitably.

Centrica's core goals are:

- To deliver for the changing needs of our customers
- To deliver long-term shareholder value through returns and growth
- To be a trusted corporate citizen
- To be an employer of choice
- To be a 21st-century energy and services company

PROJECT DATA

Project name

BG Online

Type of applications

Various B2C and B2B applications and web-based portals, to manage customer energy accounts or home cover, and even energy trading platforms.

Project teams

- 750 Developers
- 15 DevOps engineers
- 3 Project Managers

Processes

Agile/waterfall. daily releases.

The Centrica logo, featuring the word "centrica" in a bold, blue, lowercase sans-serif font with a small orange dot above the letter 'i'.

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SOLUTION

“I’M HAPPY TO SAY
THAT KIUWAN’S SAST
SOLUTION HAS BEEN
THE IDEAL CHOICE FOR
US”

Lewis Bramfitt
CEO of Bramfitt
Technology Labs Ltd.

When **Centrica** felt the need to select an application security testing solution for their projects, they started searching for a solution that could comply with their key requirements: speed, accuracy (i.e. minimal false positives), and low management overheads. The tool should have also been able to cover both SAST and SCA and be integrated on DevOps pipelines.

Centrica did a vendor assessment and compared Kiuwan against competitor solutions. Kiuwan proved ideal. Centrica chose Kiuwan because the solution is lean, containerized and portable, with reports that can be easily interpreted by developers. Another plus is the extensible API, which was of interest for in-house web applications, Kiuwan’s ability to execute, and the total cost of ownership.

The Centrica logo is displayed in a bold, dark blue font. The word "centrica" is written in lowercase letters, with a small orange dot above the letter 'i'. The logo is positioned in the upper left corner of the slide, partially enclosed by a dashed light-brown arc.

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IMPLEMENTATION

“WE HAVE OVER 1000
PIPELINES AND THE
GOAL IS TO RUN
SECURITY SCANS
WITHOUT SLOWING
THEM DOWN”.

Krishna Shekhar
Enterprise Architect at Bramfitt
Technology Labs Ltd.

Centrica has two solutions with Kiwan: one is already implemented and the other is planned for the near future.

1st solution: Kiuwan is used as a Docker container that is injected on the pipelines. Any time the source code is sent onto the pipeline, it is analyzed in the Docker container and the results are sent to the Kiuwan dashboard.

2nd solution: This is a centralized solution run on a Kubernetes cluster. The scanning will be passed onto the cluster, but initialized on the pipeline. The advantage of this solution is that the pipeline won't be blocked or slowed down. Furthermore reports are centralized and response times are faster. Bramfitt Technologies Labs Ltd. is also looking into offloading some of the scanning onto Azure managed services, like CubeNet. Analyses could be run on short-lived containers, that pop up, run the scan, produce the results and then just die. This is to avoid having all scans run on the Kubernetes cluster only.



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RESULTS

SSDLC
introduction

Kiuwan's SAST and SCA solutions were added as a quality gate within **Centrica's** CI pipeline. This triggered a rollout of the Secure Software Development Life Cycle (SSDLC) framework across the whole enterprise.

Increased
productivity

Using only one solution increased the productivity of **Centrica's** development team. The developers were happy to use Kiuwan to fix the problems themselves, without security dictating it to them.

Reduced
costs

Kiuwan is a solution that can be easily deployed and also covers **Centrica's** enterprise with a minimal platform and startup costs.

New
security
standards

New, personalized security standards were developed hand-in-hand with **Centrica**. Kiuwan was adapted to map its findings back to them. It's not only a vulnerability finder, it's also governance work.

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GET IN
TOUCH

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