



CASE STUDY **COSTAIN**
INDUSTRY INTELLIGENT TRANSPORT SOLUTIONS

HYBRID CLOUD ENABLES COSTAIN TO SEIZE NEW BUSINESS OPPORTUNITIES



Costain At-A-Glance:

Costain is recognized as one of the UK's leading engineering solutions providers.

Challenges:

Finding a solution provider to deliver a complex, reliable, robust and secure hosting platform with indepth knowledge of Oracle database technology and Microsoft hosting within the UK to meet the strict data requirements for Costain's customers.

Solutions:

Navisite's® hybrid cloud solution was optimized to deliver the client application whilst maintaining data security, in addition to delivering significant cost and flexibility benefits.

Business Outcome:

The implementation of the Navisite hybrid cloud solution enabled Costain to efficiently provision their application and open up new business opportunities.

COMPANY OVERVIEW: COSTAIN

Ranked in the UK "Most Admired Companies" league table in 2015, Costain is one of the country's leading engineering solutions providers. Founded in 1865, Costain provides tier-one engineering and technology-led solutions and operates in many sectors, including: rail, highways, oil & gas, water and nuclear process sectors. Innovation is vitally important to the business and enables Costain to provide solutions demanded by its customers.

One of the specialist services which Costain delivers in the Highways sector is integrated highway technology schemes. This includes the design, procurement, installation and commissioning of intelligent transport systems (SMART motorways) and software solutions such as ESDAL (Electronic Service Delivery for Abnormal Loads) that allow haulers of abnormal loads to plot a route and notify the appropriate authorities when transporting abnormal loads across the UK.

Challenges

Highways England turned to Costain to deliver an innovative solution that would comply with complex UK legislation requiring highways authorities, structure owners and the police to be notified of vehicles and their loads exceeding standard dimensions. Currently the need to engage with multiple local agencies along a route can mean that the planning of transportation for these loads can be extremely complex. Costain developed

the Electronic Service Delivery for Abnormal Loads (ESDAL) on behalf of Highways England so they could deliver this service. They then looked to host the application with a partner that could deliver a reliable, robust and secure platform for SaaS delivery. Due to data requirements the facility would need to be secure and located in the UK, offer high service levels as well as provide the capability for remote connections for multiple developers working abroad. Finally as the software application design was based on an Oracle database with Microsoft Windows access points, the hosting provider needed in-depth expertise in both of these areas.

To ensure that the right hosting provider could be identified, Costain setup a formal process outlining the requirements which a provider would need to meet in order to deliver against their strict requirements. After an initial search a tender shortlist of three was arrived at and following a thorough review, data center visits and presentations to Costain, Navisite was selected to deliver a complex hybrid cloud hosting environment to support the roll-out of the ESDAL application.

Solutions

Navisite was selected for its hybrid cloud solution which delivered significant cost and flexibility benefits, whilst ensuring that the data remained secure and that the platform could offer a robust SLA; with data secured in the UK. In selecting Navisite, Costain found a partner that could consistently and reliably host and deliver its new software solution,

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Costain works with Navisite to build and implement a new hybrid cloud solution to deliver intelligent transport solutions for Highways England.

while meeting the relevant data regulations. Importantly for Costain, Navisite had a long term track record of working with Oracle technology and had proven success in supporting large client implementations, as well as being a Microsoft Gold partner.

The Navisite team worked collaboratively with Costain during the initial stages of this complex and agile project to setup a custom hybrid cloud model on the NaviCloud Sphere and physical Oracle platforms to host Costain's ESDAL software. Due to the critical nature of the application, it was essential that all components were tested and that delivery of full functionality, promised response times and requisite security measures could be demonstrated. Prior to the system going live, the Navisite team setup the platform, operating environments, clustered Oracle

databases, networks, firewalls, and ensured that software testing was successful on the custom hybrid platform.

Through this platform, Navisite enabled the delivery of all the functionality to plan and manage the transportation of abnormal loads through the road network to Costain's customer, Highways England

Results

By partnering with Navisite, Costain was able to effectively provision the ESDAL application and open up new business opportunities with its existing customer. The implementation of the Navisite hosted hybrid cloud platform fulfilled Costain's contractual requirements with Highways England, a major win in a new application area for the company.

One of the conditions of the contract was a demanding implementation timescale. Navisite was able to expedite the implementation due the quality of its hybrid cloud platform and strong in-house expertise of technical and implementation staff. Once commissioned, the procurement, build, test and delivery to Costain staff took place within only eight weeks.

The successful mobilization of the ESDAL service, hosted on Navisite's hybrid cloud model has enhanced the reputation and confidence in Costain to deliver complex integrated technology solutions. The success of the new service has been underpinned by a collaborative approach with Navisite to create the required infrastructure to meet the key performance requirements of the

contract. This approach linked to Costain's broader capabilities has proven our ability to deliver a complex IT solution to meet national needs and provided Costain with the opportunity to create significant new business. ESDAL is now available as a free service to local councils, government departments and private companies through Highways England's ESDAL website.

Summary

When presented with a new business opportunity with an existing client, Costain chose to partner with Navisite to build and host a new technology solution on a custom hybrid cloud platform. With Navisite, Costain was able to successfully deliver an innovative technology solution that met the end client's data security and software functionality needs, all within a tight implementation timescale.

About Navisite

Navisite, Inc., a part of Spectrum Enterprise, is a leading international provider of enterprise-class, cloud-enabled hosting, managed applications and services. Navisite provides a full suite of reliable and scalable managed services, including Application, Cloud Desktop, Cloud Infrastructure and Hosting services for organizations looking to outsource IT infrastructures to help lower their capital and operational costs. Enterprise customers depend on Navisite for customized solutions, delivered through an international footprint of state-of-the-art data centers. For more information about Navisite's services, please visit navisite.com or navisite.co.uk.