



# ENGAGEMENT SPOTLIGHT

## ENGAGEMENT NAME:

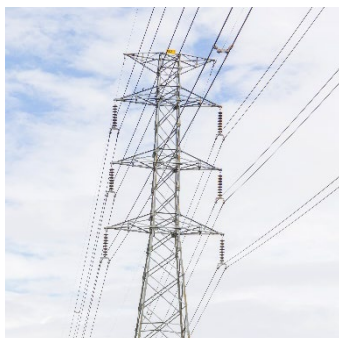
Next Generation Virtual  
Desktop Infrastructure (VDI)

## CLIENT INDUSTRY:

Energy & Utilities

## PROJECT OBJECTIVE:

- Reduce Citrix Licensing Footprint and Cost
- Enhance Integration with Azure AD
- Optimize Operational Procedures



## How Windval improved efficiency, enhanced user experience, and achieved cost savings with a Next Generation VDI solution.

Following a significant divestiture program, a large energy organization sought Windval's help to drive next steps in their modernization journey targeting their VPC environment. The objective was for Windval leaders to design, operationalize, and deliver a full-stack, next generation Virtual Desktop Infrastructure (VDI) with the goal of reducing or eliminating legacy Citrix platform support and delivering enhanced service functionality and capability, refined operational processes, and increased financial benefits (reduced operational burden and reduced Citrix licensing dependencies).

Windval took a pragmatic approach to targeting key operational procedures needed to support the next gen VDI solution and lay the foundation for a cost-optimized infrastructure footprint.

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## APPROACH

- **Project Charter**

Windval crafted a project charter to establish key roles and accountabilities, define scope, outline objectives, specify deliverables, define milestones, and identify risks while serving as a guide for project delivery.

- **Architecture Strategy and Service Workbook**

The team finalized and provided the project documentation to the client, offering a comprehensive guide that delineated the Azure platform build process. This documentation was designed to leverage the insights gained from the Proof of Concept (PoC) and to aid in the smooth transition to a full-scale implementation.

- **VDI/Cloud PC Project Plan**

Windval crafted a preliminary project plan that underpinned the future phase of strategy implementation.

- **Validated VDI/Cloud PC Architecture Design**

A practical POC was executed in the Azure environment to garner hands-on experience. This initiative encompassed the creation and validation of Azure Virtual PCs and WIN365 PCs, subject to rigorous examination by cross-functional teams, such as Cloud, Network, Engineering, Operations, and Security. Additionally, Windval conducted comprehensive usability testing to confirm that the configuration aligns with their specifications, including the capacity to seamlessly incorporate CEG builds and updates, as well as to effectively withstand stress tests involving multi-user session PCs.

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## CONCLUSION

### A cost-optimized, operational virtual desktop infrastructure.

Utilizing a thorough yet Agile design approach, Windval was able to engage key stakeholders, gather requirements, and develop a High Level Architecture (HLA) for their Next Generation Virtual Desktop Infrastructure (VDI).

The team then created a Proof of Concept (PoC) and validated the design through iterative test cycles, following a security team review. The entire solution was built based on Microsoft best practices and utilizing Azure Virtual Desktop (AVD).

## RESULTS

### Cost Savings

Reduced Citrix licensing costs

### Simplification

Reduced architectural complexity

### Modernize

Modern, native Azure Virtual Desktop environment

