



**Complete IT Systems Ltd provides a fully resilient virtual infrastructure environment.**

### Challenges

AAK Ltd needed to move to a fully resilient virtual infrastructure environment as they are a 24hour per day production site. The solution needed to provide an option to implement high availability and implement fully resilient Disaster Recovery, as well as consolidate their existing server infrastructure. Also to provide an international Disaster Recovery service

### Solution

Complete IT Systems were selected by AAK to provide a consultancy which would review, survey, design, implement, and support the new configuration.  
Fully resilient virtual infrastructure environment using data replication over fibre channel.  
Consolidated the environment of 20 physical servers down to 4 host servers.

### Benefits

Fully Implemented Disaster Recovery for computer systems.  
Centralised maintenance and control for controlling software updates and access to reduce cost of ownership  
The creation of on demand utility computing power through the combination of a virtualised and optimised environment for delivering quick return  
Reduction in costs associated with power, space and cooling.  
Modular and utility approach to computing presented by the new environment promotes easier test and development and quicker time to production that means greater agility to respond to the market and competition.  
Utilization of existing servers to their full potential.

### Results

The Virtualised infrastructure was “future proofed” as far as possible to allow the hosting facility to add new hosts quickly and easily.  
The system was designed to cater for the latest VMware produce “vSphere 4”.  
Reduced vulnerability to downtime  
Testing system implemented  
Backup and restore system easily tested

## Complete IT Systems Ltd

Complete IT Systems Ltd specialises in the design and implementation of virtual infrastructures to public and private sector clients. Our expertise ranges across business sizes and types. We work nationally to provide consultation and support for our clients in a professional, knowledgeable and courteous way.

Key technology partners include VMware, HP, IBM, Veeam, Vizioncore, Appsense, Dothill, Citrix Systems and Ericom.



## Case Study Overview

### Benefits

The key features of the evolving environment are broadly summarised as below.

Fully implemented DR scenario

Fully Consolidated server environment using virtualisation technology.

Simplified administration and support.

Optimised Server delivery.

### Technologies Used

VMware ESX 3.5

VirtualCenter management server

Vizioncore Essentials including vRanger Pro & vReplicator

Dell Equallogic SAN PS5000V

### Timeframe

December 2008

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