

## Customer Case Study

### Heatherwood & Wexham Park Hospitals NHS Foundation Trust

NHS Trust Turns To Genesis for a timely Active Directory Implementation



Heatherwood & Wexham Park Hospitals NHS Foundation Trust have stringent IT infrastructure requirements that must be met by all their systems. Security is of paramount importance because of the confidentiality associated with patient medical records, and the connection to the NHS Spine. The Genesis Active Directory Expert System was used to implement a fully mature Active Directory within clearly defined cost and budgetary constraints.

Published: November 2006

### The Situation

**NHS** The NHS is one of the largest employers in Europe. It has more than a million staff working in over a thousand Trusts. Heatherwood and Wexham Park Hospitals NHS Foundation Trust (HWPH) is a medium sized Acute Trust with about 3,200 employees and just over 800 inpatient beds. They have long recognised the importance of close collaboration with local GP Practices and health organisations, further afield. More information about the Foundation Trust can be found at their web site at <http://www.heatherwoodandwexham.nhs.uk>

Heatherwood & Wexham Park Hospitals NHS Foundation Trust have recently undergone a complete IT refresh project for both front and back end systems. The front end involved preparing all client PCs and the user environments for the Active Directory migration, replacing hardware where necessary. The backend was an NT4 to Windows 2003 service migration incorporating Active Directory and Exchange.

It was envisaged that the 2 projects would be implemented simultaneously, but the front end aspect of the project reached a 'go-live' stage faster than the back end aspect. The only remaining work to be completed on the back end was the Active Directory detailed design and implementation. If the Active Directory design and implementation could be achieved in a timely manner then the project timings could be made to re-converge.

### The Analysis of the Situation

The Foundation Trust turned to Microsoft for advice as to the best path to take to resolve their project timing issue. Microsoft suggested that the Hospital commission Genesis RKeyTec, a gold partner, specialising in Active Directory to assess the proposed Active Directory solution and offer support for efficient delivery while ensuring optimisation.

Genesis RKeyTec performed an audit on the proposed Active Directory implementation using the Active Directory Maturity Model or ADMM (see panel, opposite, for more details). This audit highlighted the strengths and weaknesses of the solution under review, but one of the main conclusions was that the proposed design could not be matured to appropriate level of security and functionality within the required timescale. Genesis RKeyTec proposed an alternative solution based upon their expert System that would guarantee the timely delivery of a secured and optimised Active Directory.

The Foundation Trust stipulated that any solution must adhere to the appropriate NHS CUI guidelines. RKeyTec studied the CUI documentation and were careful to ensure that their products and services first met, then exceeded these guidelines for Active Directory.

The next step: Request a web-based demonstration or personal appointment by using the contact information, opposite. Reference sites available upon request.



### Customer Feedback

*"Genesis is a rapid and cost-effective solution for our Active Directory implementation that has allowed us to divert time and resources from infrastructure build and maintenance to other technologies that will be more directly and visibly beneficial to our patients and staff."*

Mike Davies  
Technical Architect  
Heatherwood & Wexham Park Hospitals NHS Foundation Trust



### Solution Overview

#### Customer Profile

Heatherwood & Wexham Park Hospitals NHS Foundation Trust is a medium sized Acute Trust with 3,200 employees and 800 beds.

#### Business Situation

The Foundation Trust requires maximum security to meet the stringent NHS requirements, whilst complying with budgetary and timescale constraints.

#### Solution

The Foundation Trust uses Genesis for Active Directory deployment.

#### Software & Services

- Microsoft Windows Server with Active Directory
- Genesis 2.6
- Genesis RKeyTec Consultancy Services

#### Hardware

- 50 Servers, 2 Domains
- 1000 client PCs

### The Active Directory Maturity Model

The Active Directory Maturity Model is an audit process that examines the "current state" of the Active Directory. It delivers an accurate and quantitative report on the security and functional capability of any Microsoft Active Directory Implementation.

For more information on this subject and a White Paper entitled 'Why Is It Important to Audit the Active Directory' please visit our website at:

[www.GenesisRKeyTec.com](http://www.GenesisRKeyTec.com)

please feel free to **Contact Us** if you require more information.

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## Genesis

### Heatherwood & Wexham Park Hospitals NHS Foundation Trust Case Study

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## The Solution

Genesis RKeyTec proposed that the trust implement the Genesis Expert System because Genesis uses a prefabricated approach when optimising the Active Directory, reducing implementation times, costs, and ensuring a fully matured solution.

The Genesis system and accompanying comprehensive documentation allowed the rapid implementation of an Active Directory structure that would normally have taken months of specialised consultancy. Genesis was implemented by the partner consultant who had advised them on much of their Windows Infrastructure and would be providing on-going support.

The Partner Consultant was freed to devote much more of their time to other aspects of the migration, and other business facing projects instead of designing, testing and documenting the Active Directory.

The Foundation Trust's Administrators used the Genesis Administration Guide to quickly understand how to utilise the architecture's full potential. They quickly became comfortable with the role-based authorities that they were given.

The Active Directory implementation was delivered within the designated timescale and budget, requiring only minimal support from Genesis RKeyTec.

## Actual Timetable of Events

- |                       |  |
|-----------------------|--|
| <b>Late June 2006</b> | Genesis RKeyTec perform audit of proposed solution & deliver verdict   |
| <b>Late June 2006</b> | The Trust make decision to use Genesis Expert System for Active Directory implementation                               |
| <b>Mid July 2006</b>  | Genesis RKeyTec support the on-site consultants with the installation & prototyping of Genesis in the lab environment. |
| <b>Late July 2006</b> | Genesis used to implement Active Directory in Production environment   |
| <b>August 2006</b>    | After a successful pilot migration of clients the full rollout commences   |

## Benefits Accrued to Heatherwood & Wexham Park Hospitals NHS Foundation Trust

The Foundation Trust accrued many benefits from their association with Genesis RKeyTec and the use of the Genesis Expert System.

- Increased security through the implementation of full hierarchical authority.
- Reduced Total Cost of Ownership through the use of tried and tested, mature and resilient structures.
- Greater flexibility with the implementation of full hierarchal authority.
- Simplified administration.
- A long term technical relationship between two parties always derives benefits of understanding both business and technical requirements.
- Cheaper and faster initial implementation.
- Cheaper upgrade paths for Active Directory and it's configuration.
- Cost effective & certain upgrade path.
- Future proofing of their Active Directory Design.

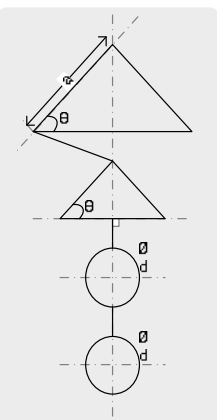
**Cost savings, such as those delivered by Genesis; make a significant difference to every organisation, balancing security and functionality against cost.**

## The Genesis Advantage

- Reducing the design, prototyping and testing phases of Active Directory implementation projects by up to 90%
- Substantial reduction in deployment time
- Greatly increased security and functional capability of the Active Directory
- Simpler and more reliable administration leading to reduced administration overhead
- Stable global application behaviour
- Enhanced user experience: Systems, services & applications will behave the same regardless of logon location
- Quicker problem resolution due to standardised, fully documented structures
- Greater security against malicious attacks or administrative accidents.

## What Is Genesis?

Genesis is an expert system that quickly, simply and cost-effectively optimises your Active Directory with production tested pre-fabrication technology. This instantly raises the security and ROI of the whole Windows infrastructure.



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Partner