

# Biocon leverages private cloud solution built on converged infrastructure to deliver affordable biotech innovation



**“The migration to the HP solution was tranquil, comfortable and as simple as the click of a button.”**

—Radhakrishnan G, general manager - systems, Biocon Limited

**HP customer case study**  
Biocon Limited consolidates data centre operations with an HP CloudSystem Matrix and an HP Enterprise Virtual Array 8400 to support business growth

**Industry**  
Biotechnology

## Objective

Required an IT infrastructure upgrade to create a private cloud solution built on HP Converged Infrastructure that would support growth and address data centre power, cooling and floor space issues

## Approach

Researched the market and decided to deploy a solution based on a storage infrastructure assessment conducted by a well-established IT partner

## IT improvements

- Consolidates 30 servers and two storage arrays into a single virtualised cloud platform, reducing complexity and lowering maintenance costs
- Offers a complete infrastructure solution with a disaster recovery capability, delivering flexibility to meet business needs
- Provides a rapid deployment capability, minimising downtime and eliminating business disruption

## Business benefits

- Reduces maintenance and power and cooling costs significantly lowering Total Cost of Ownership (TCO)
- Offers on-demand application and service provisioning in hours rather than weeks, increasing business agility, supporting business growth and accelerating time-to-market
- Maintains service levels and business continuity via an in-built disaster recovery capability



Established in 1978, Biocon Limited is a leading Indian biotechnology enterprise. The company and its two subsidiaries, Syngene and Clinigene, form a fully integrated biotechnology corporation focussing on biopharmaceuticals, contract research and clinical research.

Over recent years the number of end-users employing its IT infrastructure had increased rapidly and the system could not keep pace with the organisation's impressive performance. Biocon therefore needed to upgrade its IT infrastructure to support growth. Moreover, the company wanted to address power and cooling as well as floor space issues in its data centre.

## Transformation vital

As part of a long-term IT convergence project, Biocon sought to consolidate the workload onto a virtualised environment, move to scale-out storage, and adopt service-oriented management and delivery strategies. The company also wanted to develop a private cloud solution built on HP Converged Infrastructure to augment growing business requirements.

## Customer solution at a glance

### Hardware

- HP CloudSystem Matrix
- HP Enterprise Virtual Array 8400 (EVA 8400)

### Software

- Microsoft Hyper-V

### HP Services

- HP Technical Services – HP IT Consolidation and Migration Services
- HP Converged Infrastructure (CI)

To help Biocon achieve its objectives, the local HP Technical Consulting team provided consulting services about storage data migration and consolidation. The team conducted a storage infrastructure assessment and recommended that Biocon should consolidate the existing storage environment by deploying a new high-end HP Enterprise Virtual Array (EVA).

After deliberating about the report's recommendation for almost three months, Radhakrishnan G, general manager - systems, Biocon Limited, decided to implement a solution comprising an HP CloudSystem Matrix and an HP EVA 8400. The HP CloudSystem Matrix built on HP Converged Infrastructure is one of the few solutions certified by Microsoft® to work with Hyper-V, its hypervisor-based server virtualisation technology. With Biocon and HP working together for more than a decade, Radhakrishnan felt another crucial factor was a proven track record of service and support.

To avoid complexity and prevent resources under-utilisation, Radhakrishnan was certain that he should not modernise the data centre piecemeal. "That strategy would have created repetitive, time-consuming purchase orders, service agreements and management approvals," he explains. "The HP solution avoids these issues. It provides a complete infrastructure platform that plugs into our environment and changes with our business needs. Biocon is the first Indian pharma company to deploy an HP CloudSystem Matrix."

HP shipped the fully-tested and pre-configured CloudSystem Matrix and EVA 8400 solution to Biocon's data centre. Regional implementation experts from the HP consulting delivery team produced a detailed project plan and the assigned project manager facilitated fast and reliable deployment. The team conducted the storage consolidation and migration exercise online without any data loss and the solution entered production on time with minimum downtime and no business disruption. "The whole implementation and migration was seamless, it appeared to be done with the click of a button," says Radhakrishnan.

## Increased business agility

After consolidating more than 30 servers and two storage arrays to a virtualised HP CloudSystem Matrix environment, the HP solution offers Biocon considerable advantages. By creating pools of shared, virtualised resources that are available on demand, Biocon has reduced the number of physical machines, eliminating complexity and lowering maintenance costs.

With the earlier environment, day-to-day operations lacked flexibility and the IT infrastructure could not adapt to changing user requirements and situations. Now, Biocon provisions new applications and services in hours rather than weeks or months, increasing business agility and improving the user experience.

"The HP EVA 8400 allows us to seamlessly provision storage while growing our applications by adding virtual servers and EVAs dynamically," states Radhakrishnan. "The CloudSystem Matrix also improves our ability to easily maintain service levels due to a built-in disaster recovery capability. With a simple mouse click, we can move workloads to other servers or sites, improving the recovery time. Redundancy in the data centre is essential to build strategic licensing partnerships globally.

"We believe that an organisation is as dynamic and effective as its people. Our green, highly responsive data centre environment will help us navigate the challenges of innovation and business expansion over the next decade, with IT playing an active role in better business outcomes," concludes Radhakrishnan.

## For more information

To read more about HP Converged Infrastructure, go to [hp.com/go/convergedinfrastructure](http://hp.com/go/convergedinfrastructure)

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