

Why Zoetis chose RCH to Support a New Scientific Computing Initiative

Challenge

Executing a Complex Computing Initiative without the Right Resources

Zoetis established an initiative to create a comprehensive Scientific Computing and High-Performance Computing (HPC) environment that would solve immediate business needs while also scaling to support future growth. IT resources were constrained to support such a unique initiative -- the challenge was not only a limited workforce, but also limited experience and time constraints.

Zoetis requested the advisory services from RCH Solutions for implementation of the first of two phases of this Research Computing strategy. RCH supported this venture both remotely and on-site in Kalamazoo, MI, with much of work performed at our Wayne, PA offices and on-site at Zoetis' satellite office in Exton, PA. To facilitate seamless adoption and integration, RCH actively involved the central IT team throughout this process.

Solution

A Proven Process Delivered by an Experienced Computing Partner

Working with both the business units and IT, RCH was able to assess, design, implement and support the proper Scientific Computing environment including:

- Assessment of current state of Scientific Computing and HPC
- Evaluation of existing infrastructure
- Delivery of a formal set of recommendations to optimize and grow capabilities
- Development of a three-phase roadmap based on best practices and process options
- Seamless integration with IT involvement
- Integration of the strategic plan using proven solutions and workflows
- Delivery of an established and scalable compute and storage solution for sophisticated data analysis

RCH worked directly with the internal IT staff, research scientists, and application vendors to provide the optimum scalable solution for this highly visible, dynamic environment Scientific Computing and HPC. The project included services provisioning on Cisco UCS and NetApp storage.

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About Zoetis:

Zoetis is a global animal health company dedicated to supporting customers and their businesses in ever better ways. Building on 60 years of experience, we deliver quality medicines and vaccines, complemented by diagnostic products and genetic tests and supported by a range of services.

In addition to designing and implementing Zoetis' new Scientific Computing environment, RCH also developed and delivered comprehensive platform and operational documentation in support of their Help Desk. Augmenting documentation, RCH provided functional training to their Central IT staff and Scientific Application and HPC training to their Research scientists.



Results

A Powerful and Flexible Compute Environment for Complex Disease and Drug Discovery

Zoetis now has a comprehensive, flexible, scalable, Scientific Computing and HPC environment solution to support their needs over the next several years. The customer was able to leverage the specific experience of RCH in evaluating, designing, and supporting compute and data management in the Life Sciences R&D realm. This deliverable has allowed Zoetis to attain valuable insight into complex disease models on a large, industrial scale, as well as supporting the drug discovery pipeline from target validation to the potential identification of candidates.

About RCH Solutions

RCH Solutions (RCH) is a global provider of computational science expertise, and has helped Life Sciences and Healthcare companies of all sizes clear the path to discovery for three decades. Learn more at www.rchsolutions.com.

Not yet working with us?

Contact the RCH team to learn how we can support your advanced scientific computing and IT needs.
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