

ENERGY COMPANY CLOUD MIGRATION & MODERNIZATION CASE SUMMARY



This Use Case will outline the cloud migration and modernization of an energy company

BACKGROUND

Modernization is key to enabling stronger analytics, data-driven decision-making, and innovation. From finding efficiencies through deeper insights, to setting a foundation to leverage AI and other leading edge technologies, cloud solutions provide a level of flexibility and adaptability that on-premise solutions simply do not offer. It's no surprise that so many companies are making the move these days, especially within sectors such as energy, which rely heavily on data.

Prior to reaching out to Lixar, one energy company in particular had been compiling their data into cubes, which would be updated nightly with the most recent data, so that they'd be ready for consumption each morning. However, the process was inefficient and costly. Moreover, the inherent inflexibility of on-premise infrastructure was also becoming an issue as the company, like many others these days, was experiencing rapid data growth. Storage constraints meant that they needed to modernize to continue growing. A cloud migration, with all of its benefits, was decided upon for the solution.

With no in-house expertise, Lixar was called upon to perform the work. Since everything was on-premise at the time, this was an extensive migration. We leveraged our strong Azure background to not only lift and shift, but to provide a future-proofed cloud solution, including three environments and upwards of 500 pipelines.

KEY RESULTS

Lixar leveraged our Azure expertise to provide the client with a solution that 1) drastically increases their ability for **rapid adaptability and growth**; 2) offers **greater control of data** to strengthen their business model; and 3) minimizes downtime for **more efficiency and productivity**

SOLUTION OVERVIEW

Lixar delivered a cloud solution, including the migration of the client's previous logic to the cloud, and the building of multiple environments and hundreds of data pipelines. Leveraging best-in-class Azure technologies, the solution is scalable and flexible, designed to allow the client to upgrade in a matter of minutes, rather than in days or weeks. By removing constraints that had been limiting them in the past, the new architecture will support the company's ongoing growth, and modernization goals. This includes increasing data storage capacity, decreasing costs, and increasing process efficiency. The work Lixar provided also included knowledge transfer to prepare them for the future, governance for reliable security, and value-added processes such as Quality Assurance (QA) and testing. Moreover, the solution provides the foundation to explore other cloud benefits down the line, such as advanced reporting and AI. As the company continues to pivot and grow, the solution will continue to adapt to their needs.

“ Working on this solution was also particularly unique because it required us to build and orchestrate a huge number of pipelines – over 500 – in one project, which we successfully accomplished. ”

OUTCOMES

- | Ability to adapt and grow, quickly
- | Greater control of data to strengthen business model
- | Minimized downtime and increased efficiency
- | Decreased cost
- | Ability to better manage change

HOW IT WORKS | CLOUD & MODERNIZATION

As the world becomes increasingly data-driven, and as people rely more heavily on assistive technology like automation and AI, modernizing the way we work has become imperative to success. **Being more efficient, doing more with less, making data more accessible – this is all necessary today, in a way that it hasn't ever been before, and it all starts in the cloud.** To maintain market value, to remain relevant and competitive, and to ensure that you are equipped to adapt to a rapidly changing new normal, organizations rely on having up-to-date, reliable, usable data.

Modernizing, which often begins with a cloud migration, is the first step in any data journey; a journey that Lixar has helped accelerate for many clients in our 20-year history. For this energy company, being able to take advantage of having modern data architecture that leverages best-in-class technologies, such as Azure Cloud and Synapse, has had a significant positive impact on how they work today, and how they plan for tomorrow.

FEATURES & BENEFITS

| | |
|--------------------|---|
| Azure Cloud | A cost-effective, scalable alternative to costly on-premise infrastructure, with the flexibility to move towards advanced data analytics and AI in the future |
| Synapse | A limitless analytics service that enables data flexibility and powerful insights |
| Multiple pipelines | A less time-consuming and easier way to manage a wide range of data tasks |

CONCLUSION

In today's climate, cloud migration and modernization are vital to the success of any organization. Various business drivers, such as reducing costs, increasing efficiency, or better leveraging data, can all be effectively addressed by moving to the cloud and taking advantage of its many benefits. As a premier data and AI company, Lixar is dedicated to helping organizations find the value in cloud solutions.

Notably, our Azure expertise, which was critical to the success of this project, is further demonstrated in our **HeroPath** solution. **HeroPath** is a modern data platform driven by best-in-class Azure technologies, designed as a customizable pipeline that takes you through from data ingestion, to transformation, and finally, to engagement – all hosted in Azure.

As more companies define and adapt to their new normal, cloud and data will continue to become increasingly essential. Now is the ideal time to plan for tomorrow.

TAKE YOUR BUSINESS TO THE NEXT LEVEL

WHERE ARE YOU ON THE DATA-DRIVEN MATURITY SCALE?



THINKING ABOUT GETTING STARTED WITH CLOUD AND MODERNIZATION? WE CAN HELP



Jonny Stevens
Division Manager



Craig Hill
Division Manager

See Also:

[HeroPath Offering](#) | **HeroPath Journey Blog Series Part 1: [Ingest](#) | Part 2: [Transform](#) | Part 3: [Engage](#)**

Contact us today at 1.613.722.0688 or
data@lixar.com

