



Lattice Semiconductor

Transitioning to a cloud environment: OneNeck fully hosts virtual Dynamics AX platform

The Company

Lattice Semiconductor Corporation designs and develops innovative, low-cost, low-power, programmable logic devices. Based in Hillsboro, Oregon, Lattice is the world's leading provider of ultra-low-power programmable IC solutions for makers of smartphones, mobile handheld devices, small-cell networking equipment, industrial control, automotive infotainment and much more. With more than one billion units sold over the past 10 years, Lattice ships more FPGAs, CPLDs and power management solutions than any other programmable solutions vendor.

Lattice serves a wide range of industries, including communications, computing, consumer, industrial, automotive, medical and military end markets. Founded in 1983, the company employs approximately 700 people. Lattice went public in 1989 and trades on the NASDAQ stock exchange. In addition to its Oregon headquarters, Lattice operates U.S. facilities in San Jose, California, Chicago, Illinois and Bethlehem, Pennsylvania as well as international locations in Singapore, Manila, Shanghai and Bangalore, and has sales offices in cities around the world.

The Challenge

Lattice determined that due to growth and other issues it was time to implement a new, company-wide ERP system. After analyzing several options, the company leaders determined Microsoft Dynamics AX was the best fit for Lattice. It was a big project, made larger by the fact that third-party integration of specialty applications with Dynamics AX was also part of the scope.

Lattice had been hosting its hardware and software on-site in one of the company's U.S. facilities. With a full understanding of the cloud ERP model from a cost, disaster recovery and performance perspective, Lattice began evaluating virtual solutions and data center options.

The company's IT executives considered bids from OneNeck® IT Solutions and several other providers for the hosted infrastructure management expertise required to support their huge ERP implementation and their possible transition to a cloud environment. After a rigorous selection process, Lattice determined OneNeck had the level of Dynamics AX experience required to successfully implement both the enterprise software and a comprehensive hosting solution.

The OneNeck® IT Solutions Answer

After careful analysis with the Lattice team, it was determined a fully virtual Dynamics AX environment would meet the company's requirements without requiring in-house expertise.

Once the Dynamics AX implementation was complete, OneNeck transitioned the responsibility for managing and supporting the platform to Lattice's application hosting and managed services personnel. After this project was completed, OneNeck also migrated the company's SharePoint application to a cloud hosting platform.

OneNeck provided the hardware, virtualization software, switching and SAN infrastructure. Through its Service Level Agreement, OneNeck also guarantees system availability of 99.9% for Lattice's cloud hosting solution.



Lattice Semiconductor Summary

Organization	Lattice Semiconductor Corporation
Industry	Manufacturing
Business Challenges	Implementing a new ERP system without the relevant in-house expertise to manage Uncertain future for existing data center facility
User Environment	Approximately 100 application users
Application	AX Administration SharePoint Administration
Technical Environment	VPS Hosting and Administration SQL Administration SQL Reporting Services Metered SAN and Backup

The Benefits

OneNeck IT Solutions' cloud-based architecture eliminated the need for Lattice to hire expensive and hard-to-find Dynamics AX infrastructure, database and application experts. The cloud solution also saved Lattice valuable time, money and energy. The company did not have to create a help desk, roll-out servers and racks or manage the systems and applications — the entire responsibility for hardware, software and user support has been transferred to OneNeck. Lattice now has one point of contact for all system and application administration.

Additional benefits include:

- **Capacity on Demand** — Instead of purchasing costly equipment, Lattice accesses OneNeck's infrastructure. Should Lattice need to ramp-up IT operations to deploy new applications or respond to changing market conditions, it can do so quickly and easily. New facilities and users can access company IT resources in no time. In addition, providing the technology platform for new offices involves a repeatable, low-cost process that leverages OneNeck's data center.
- **24/7 Help Desk** — OneNeck staffs its help desk with experts who understand how to quickly solve any issues Lattice may encounter. In addition, all help desk staff operate within the U.S. Lattice IT support personnel interact with a live person who receives timely assistance.
- **Predictable Monthly Fee** — Having a predictable monthly expense allows Lattice to better manage IT budgetary requirements. Plus, new users and applications can be added or removed on an as-needed basis.

OneNeck provided a creative way for Lattice to use IT resources. Instead of working within its own IT operation, Lattice now uses the OneNeck cloud solution to access technologies as needed and at the scale required. With the day-to-day burden of infrastructure, database and application management lifted, Lattice can divert internal resources to core business initiatives.

About OneNeck IT Solutions

OneNeck IT Solutions LLC offers hybrid IT solutions including cloud and hosting solutions, managed services, enterprise application management, advanced IT services, IT hardware and top-tier data centers in Arizona, Colorado, Iowa, Minnesota, New Jersey, Oregon and Wisconsin. OneNeck's team of technology professionals manage secure, world-class, hybrid IT infrastructures and applications for businesses around the country.

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