



## A Note from Wendy and Howard...

Hello,

Welcome to our very first issue of our new quarterly e-Newsletter!

We want you to know how much we appreciate your business and partnership. Serving the Midwest since 1987, we have had the great fortune of having many loyal customers, which no doubt is a direct reflection of our talented, loyal and dedicated employees.

For that, we are very thankful and we believe this newsletter will be a great way to stay connected with you.



Huffman Engineering specializes in system integration projects for pharmaceutical, life science, food process, and utility process control applications, it is our goal to share useful and timely information with you. Each newsletter will have a feature article on an automation project or related topic. We also want you to get to know our team; each issue will have a fun spotlight article on one of our talented engineers.

We're also on LinkedIn, Facebook and Twitter, so please friend and follow us there too (links at the bottom of this email). We hope you like this inaugural issue of the Huffman Engineering Newsletter! We want to hear from you about how we can make it even better

in future issues. Please share your thoughts and suggestions with us at  
[whuffman@huffmaneng.com](mailto:whuffman@huffmaneng.com).

Best regards,

The Huffman Engineering Inc., Team

Huffman Engineering, Inc.

5301 N. 57th St.

Lincoln, NE 68507

Phone: [\(402\) 464-6823](tel:(402)464-6823)

## Complex Life Science Project with a Tight Timeline Proves Successful

A plant-wide project that touches 90% of your manufacturing and 90% of your packaging systems would be a daunting undertaking for any manufacturer. If you are a heavily regulated pharmaceutical life sciences company, those stakes are even higher. Technically competent resources, project planning, coordination and communication are all critical to success.



Huffman Engineering had just that sort of project on their hands when a local large pharmaceutical manufacturing and packaging plant underwent a change in ownership. The project involved migrating off of the prior owner's servers and network infrastructure onto the new company's servers and network infrastructure, as well as computer upgrades, software upgrades and transfer in ownership of software.

It takes a committed community! The customer approached this as a partnership from the start. It was a joint effort between the customer, Rockwell, Rockwell's local distributor - the Lincoln branch of Consolidated Electrical Distributors (CED), and Huffman Engineering.

Huffman Engineering's team had the advantage of extensive knowledge of this facility from working with several previous owners since 1994. However, successful completion of this huge undertaking required much more than a working knowledge of the facility. Huffman Engineering's partners relied on Huffman Engineering's extensive experience in meeting regulatory requirements for 21 CFR Part 11 Federal Drug Administration (FDA) regulations, coupled with their expertise in IT networking and Rockwell Automation integration.

“Huffman Engineering took a complex project with a tight schedule and performed within budget and beyond expectations,” said Wes Lehman, manager, CED Lincoln. “They took ownership of their responsibilities, reviewed others’ responsibilities, and communicated well with all parties to keep the project moving regardless of issues that had arisen. I am thankful that Huffman Engineering was on our team.”



CED Lincoln provided hardware and software required for the project. Rockwell did most of the upfront development work for the project. Huffman Engineering’s work began four months prior to installation. As a Rockwell Automation Control and Process Solution Provider, Huffman Engineering provided technical review and software development assistance to the Rockwell team to ensure regulatory 21CFR11 compliance. Huffman Engineering was responsible for all compliance qualification documentation including Installation Qualification (IQ), Operational Qualification (OQ) and Performance Qualification (PQ). In addition, Huffman Engineering’s team led project management and deployment onsite.

As part of the network infrastructure upgrade, Huffman Engineering built 9 virtual servers and used Microsoft SQL Server Reporting Services to create reports that run on a report server. In addition, Huffman Engineering upgraded the computer operating systems from Windows XP, which is no longer supported by Microsoft, to Windows 7.

Visit our website to read the full story

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

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## Spotlight - Jay Steinman

At Huffman Engineering, our people are our most valuable assets. We are proud to have such a talented, dedicated and cohesive team. As a part of our quarterly newsletter, Huffman Engineering will be highlighting one of our employees who emulates the great qualities that make Huffman Engineering a go-to-resource for our customers. We are going to have fun with this. Not only will we be sharing our employee's professional accomplishments, we also hope you will enjoy getting to know them on a personal level as well!



We have selected Jay Steinman for our very first Huffman Engineering Spotlight. Jay celebrated his fifth anniversary with Huffman Engineering this month! "Jay is a great asset to our team, he has a strong desire to learn new technology and excels in their application," said Howard Huffman, CEO, Huffman Engineering. "In watching Jay under pressure, I admire his poise staying calm and focused to quickly resolve problems, without showing any outward frustration."

Jay primarily works on projects related to the life sciences industry. His skills include PLC programming and HMI design for Rockwell and Wonderware products, 3D part design with SolidWorks, design documentation, qualification, project management, and more. Jay was one of the engineers putting in 70+hour a week to meet our customer's needs described in our feature article. In another recent project he built a program from the ground up for one of our customer's migrating from PLC5 to ControlLogix.



Originally from Falls City, NE Jay moved to Lincoln in 2007 to attend the University of Nebraska–Lincoln (UNL). Graduating from the UNL with a Mechanical Engineering degree in August 2011, he was hired by HEI shortly after that. With his life-long love of learning, Jay decided to further his education and is expecting to finish his Masters of Engineering Management degree from UNL this December.

On a personal note, Jay married his wife, Stacy on September 22, 2012. They have a beautiful family, including a 7-year-old boy, Kason, and a 2-year-old girl, Ellie. He considers himself to be a nerd so far as what he enjoys as hobbies; lately he has been doing some automation projects at home with his spare time!



## It's Not Broken, Why Fix It?



*Blog post by Keith Mandachit, Senior Engineer*

## Testing and Training Room



*Blog post by Justin Gilg, Electrical Engineer Co-Op Student*

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