Improving the Flow of Information with Custom Software

The Client

Hydra Dyne Technology designs and manufactures custom hydraulic products. They employ close to 150 engineers, manufacturing experts and support personnel who contribute to the production of some of the world's most reliable rotary unions, hydraulic cylinders and manifold blocks.

The Challenge

Hydra Dyne Technology has experienced a rapid amount of growth in a short period of time, adding a second facility and ultimately requiring additional staff and resources. Much of their operational information at this time was being stored in Excel documents - a system that began to buckle under the weight of the growing firm. One system in particular that was proving to be ineffective was their delivery truck tracking. The office would spend 4-6 hours a day tracking the truck's progress and trying to sort out what items were in transport. Using a spreadsheet to track this type of activity was proving to be infelxible and adding additional stops was nearly impossible.

The Solution

Invaware developed a custom Delivery Portal for Hydra Dyne in order to streamline the delivery process and give more flexibility to both their staff as well as vendors. This software has such a custom application that no out of the box product would have been able to meet their unique needs. The Delivery Portal allows the driver to view all his route information on his tablet and allows Hydra Dyne's staff and vendors to communicate directly with him. They can also add activities throughout the day without compromising route efficiencies and the driver can mark his arrival/departure at each location on his tablet to document where he has been and how long each stop is taking.
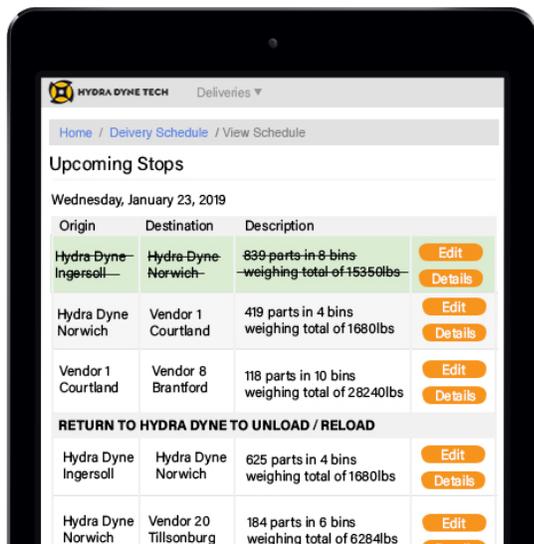
The Results

- *40% increase is delivery efficiency*
- *75% reduction in hours spent on tracking*
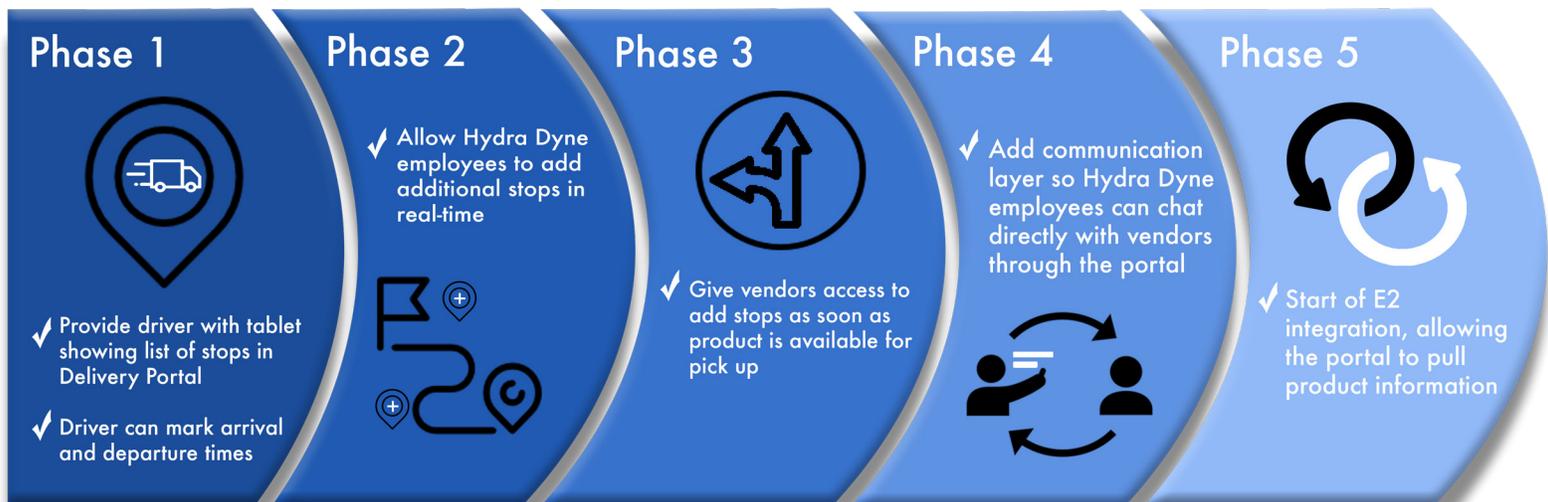- *Drastic reduction in shipping errors*

The Results Continued

Using the Delivery Portal developed by Invaware, Hydra Dyne has been able to streamline their entire transport process. Now, they are able to see exactly what is on the truck and where it has to be. They can even add additional stops in real-time that automatically update the driver's route.

Since the original portal was launched, the system has received multiple "upgrades," adding additional functionality and increasing its value. Not only has Invaware continued to improve on the Delivery Portal, their relationship with Hydra Dyne has also led to the digitization of multiple processes throughout the plant, including assembly, inventory and machine scheduling. Creating custom applications that suit their unique operational needs has improved overall communication and the flow of information, resulting considerable impact on their entire organization as a whole.

Product Development Timeline

Phase 1
✓ Provide driver with tablet showing list of stops in Delivery Portal

✓ Driver can mark arrival and departure times

Phase 2
✓ Allow Hydra Dyne employees to add additional stops in real-time

Phase 3
✓ Give vendors access to add stops as soon as product is available for pick up

Phase 4
✓ Add communication layer so Hydra Dyne employees can chat directly with vendors through the portal

Phase 5
✓ Start of E2 integration, allowing the portal to pull product information

"With custom software, you're the architect of what you want done and how it should flow. You are not relying on someone else's idea of how your business should be run."

-Steve Bohner, President
Hydra Dyne Technology

invaware
TAKE CONTROL