



**Enercross**

# Limitless Integration and Automation



## How Enercross data transformation improved Exxon's energy business

Ranked at #10 on the 2021 Fortune's 500 list of America's largest public companies, Exxon has made quite a name for itself. Founded in 1911, Exxon grew into the largest energy company in the world by pioneering exploration & production. This addresses many of the logistics and data problems that consistently challenge the energy industry. Most energy companies do not have an automated way to gather production data across all their oil & gas wells.

Exxon produces 5.3 million barrels per day of crude oil across hundreds of oil wells scattered over North America. Data from these wells must flow seamlessly in real time in order to drill efficiently and bring the oil to market at the lowest cost. Exxon currently drills and delivers oil to refineries which in turn distribute it across all 50 states and more than 25 countries. But with Exxon essentially acting as buyer, seller, warehouse, redistributor, and shipper, the company must navigate complex data demands from vendors and customers.

# ExxonMobil

### COMPANY

Exxon Mobil

### FOUNDED

1911

### HEADQUARTERS

Irving, Texas

### EMPLOYEES

72,000

### INDUSTRIES

Energy: Oil & Gas

### REVENUE

\$178 billion

### BUSINESS NEEDS

Automate data, reduce manual entry



## How Enercross data transformation improved Exxon's Energy business

### IT Challenge

Exxon used FTP and SFTP to send and receive electronic data interchange (EDI) and non-EDI transactions —purchase orders, advance ship notices, item and pricing files, confirmations —24 hours a day, seven days a week. But the energy giant uses different applications to manage separate components of the business, which requires a lot of custom code and manual data entry to facilitate these tens of thousands of critical data communications every month. Exxon's IT teams knew there was a better way.

“We sought a solution to automate orders from our customers who couldn't or wouldn't transmit EDI documents,” said Brett Bingham, senior e-commerce analyst for Exxon's technology integration team. “We needed support for flat files, spreadsheets, and XML to continue with our goal of automating every manual process that we could.”

That goal —internally set to automate 80 percent of its oil flow data —required a common integration tool that could share information across platforms and applications while enabling customers and suppliers without EDI to communicate electronically. It also had to be a solution the Exxon IT team could easily adopt.

After a non-site visit and solution demo from our Solutions Delivery & Integration Technologies team, Exxon found its data transformation and business integration solution.

### BUSINESS BENEFITS

- Move data between platforms without relying on custom code
- Automate tens of thousands of EDI and non-EDI transactions
- Create FTP processes to facilitate faster trading partner configuration



## How Enercross data transformation improved Exxon's Energy business

### The Solution

Exxon has experienced the benefits of automation and machine learning since employing a data transformation solution from Enercross, an ecosystem integration platform delivering a portfolio of modern solutions that can be deployed on-premise or in the cloud. Exxon can accommodate its customers' growing data requests and accept non-EDI formats, and with Enercross's auto-mapping tools, the company can integrate that data into its existing automated processes and enterprise systems.

"The main scenario that Enercross has improved," Bingham says, "is the phasing out of much of our manual order entry. This is a big push for us, as we realize the benefits of not wasting time doing busy work or keying [in data] when it doesn't need to be done. With Enercross, everything is automated and drag and drop."

Exxon also paired Enercross's data transformation engine with OCR scanning software to take the manual processing out of its email orders, leveraging Enercross's robust mapping functionality to make further strides toward its automation goal.

"I love the versatility in Enercross's mapping that allows us to get past nearly any integration hurdle," Bingham added. "We have a different software for our EDI that we have been using, and it has some limitations with what we can and can't do. Our Enercross software is our go-to solution for anything tricky."

Armed with a modern data transformation and business integration solution, Exxon's customers get to exchange data in the format they prefer; the company's IT teams get a single system to address multiple data, application, process, and partner integration requirements; and Exxon's line-of-business managers get an automated order process to better serve their customers.



"Enercross support has been second to none. I am still able to log a ticket and have support call back within minutes. I have always been a vocal supporter of the excellent service that has always been provided by Enercross."

#### **BRETT BINGHAM**

Senior E-commerce Analyst, Data Integration, Exxon

