

Coeymans Marine Towing:

REAL-TIME GPS PROVIDES HEIGHTENED
VISIBILITY & EFFICIENCY



Company Background

Coeymans Marine Towing, an inland marine transporter on the Hudson River, offers a full line of towing services, including barge and tug boat rentals. It is located in the Port of Coeymans marine terminal in New York, a privately owned terminal that provides shipping, processing, warehousing and transportation needs for the NY/NJ harbor.

CHALLENGES

Prior to using a GPS tracking solution, Coeymans used an excel spreadsheet and a whiteboard to monitor and track the activity of their barges. When they would hire out a boat to pick up a barge, the tug operator wouldn't know the exact position of the barge, sometimes resulting in confusion or error.

They also used data from an AIS (automatic identification system), a program that uses VHF frequencies to track other vessels in the area. "In remote places like where we are on the upper Hudson River, we lose AIS data from the boat about 20 miles south of our facility. That's where Lat-Lon real-time monitoring comes in," says Collin Bryant, Logistics Manager and Port Captain at Coeymans Marine Towing.



Unit History Report

05/18/2017 11:30:07 AM 05/21/2017 11:30:07 AM EDT Report

Drag a column header here to group by that column

#	DATE/TIME	RECEIVE DATE/TIME	MESSAGE TYPE	GEOGRAPHY	GEOFENCE	COURSE	SPEED	ACCUMULATED_M	TIME_SINCE_MOVE	TIME_SINCE_MOVE	BATT_VOLTS	CAP_VOLTS	LAT_LON
13	05/19/2017 10:41:32 AM	05/19/2017 10:42:45 AM	Timed	4.00 miles NE of Ravena, NY	Port of Coeymans	0	0	3703.73	0	130	3.51	5.72	42.481127, -7
14	05/19/2017 12:41:52 PM	05/19/2017 12:42:48 PM	Timed	1.79 miles NE of Ravena, NY	Port of Coeymans	0	0	5781.76	0	140	3.51	5.72	42.481127, -7
15	05/19/2017 01:12:05 PM	05/19/2017 01:13:00 PM	Move Begin	1.58 miles E of Ravena, NY		168	8	5782.29	0	140.5	3.51	5.03	42.473420, -7
16	05/19/2017 01:22:05 PM	05/19/2017 01:22:57 PM	Move Timed	1.89 miles SE of Ravena, NY		184	7	5783.58	0.2	0	3.51	5.1	42.454867, -7
17	05/19/2017 01:32:05 PM	05/19/2017 01:32:59 PM	Move Timed	2.89 miles SE of Ravena, NY		170	8	5784.95	0.3	0	3.48	5.7	42.435057, -7

A Lat-Lon unit history map tracks the route of one of Coeyman's assets. The green arrows represent a timed message taken every 10 minutes and the red box signifies a geo-fenced area. If any assets are in this specific area, it will show up in the reporting.

THE SOLUTION

Coeymans started tracking their barges by installing Lat-Lon's Solar Tracking Units (STU) on the bow of their barges. The STUs are solar-powered and are constantly getting charged by the sun while out on the river.

While deployed on vessels, STUs report as frequently as every 10 minutes and collect information such as speed, course, and exact location and coordinates. This information, along with maps, reports, and graphs, can be found in Lat-Lon's web reporting system. Geo-fencing capabilities create virtual boundaries around specific locations and allow Coeymans to run reports on units inside or outside of the geo-fences. This is especially helpful when they are tracking tugs or barges at customer sites.

In addition to GPS/location monitoring, STUs have custom sensor capabilities that include temperature and impact monitoring. Lat-Lon data can be easily integrated into 3rd party dispatching software.

RESULTS

"It is nice to look at a live map and know exactly where the barges are," says Collin. "The biggest cost saving issues that have been solved with Lat-Lon are time spent shifting on the moorings and at customer docks. The standby and underway time has also helped us in many cases with disputing logs and customer claims."

To find out how you can improve the visibility and efficiency of your fleet, contact us today.



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