

# USA: WOOD RIVER PROJECT

PROJECT	EQUIPMENT	WEIGHT
PETROC	SPMTs / GANTRY LIFTING SYSTEM / BARGES / LATTICE BOOM CRANES	300 MODULES UP TO 1 000 TON

Fagioli Inc. performed the biggest projects ever performed by our company in the USA: the Wood River Project. Fagioli was contracted to carry out the refurbishing and enlargement of one of the biggest refineries in Northern USA, which will provide 400,000 oil barrels per day. Even though the refinery is settled in Illinois, the project involved the areas of the Gulf of Mexico, Europe and Southeast Asia requiring Fagioli to use a great amount of personnel and equipment. The two main aspects of the projects were the load-out operations on the Mississippi river and the logistics activities. For the transport activities Fagioli used Spmt's; to complete the lifting and installation activities a 770 ton and 450 ton lattice boom crawler cranes and 550 ton hydraulic gantry crane with several other smaller cranes with support equipment were utilised; Fagioli added towers and strand jacks to stack the 400 ton modules and load them onto SPMTs with falsework for their final placement. Due the complexity of the project, many of these modules had to be manoeuvred through constricted areas with towering columns and sizeable pipe racks. These were installed using SPMT falsework. The Vacuum Tower weighing 1000 ton, 61 mt long and 12 mt diameter is the heaviest item transported for this project.



<b>Start Date – End Date</b>	<b>April 23<sup>rd</sup>, 2009 - October 8<sup>th</sup> 2010</b>
<b>Total days worked:</b>	475
<b>Total man hours achieved:</b>	208,500
<b>Average Man-Hours per day / Max Man-Hours per day:</b>	438 / 720
<b>Average manpower per day / Max manpower per day:</b>	41 / 61
<b>Total Number of Accident:</b>	0
<b>Total number of Barges offloaded at the Jetty:</b>	82
<b>Total number of items offloaded from barges / Heaviest Item:</b>	293 / 1,000 t
<b>Total Number of transports including moving of items inside the Refinery:</b>	883
<b>Approx. Total miles driven with SPMTs:</b>	5,800
<b>Approx. Total weight of items transported:</b>	40,000T
<b>Total number of items lifted with Cranes / Heaviest Item:</b>	131/189,3 t
<b>Total number of items lifted with Tower System / Heaviest Item:</b>	12/248,0 t
<b>Approx. weight of items lifted with Cranes:</b>	15,000 T
<b>Number of Procedures and Drawings issued:</b>	1,650
<b>Distance Between River Facility And Refinery</b>	7 Miles



