

Project Facts

Project Name & Location:
AK Steel ~ Middletown Works

Project Engineer & Manager:
Eichleay Engineers Inc.
6585 Penn Avenue
Pittsburgh, PA 15206-4407
John L. Suhrie, P.E. (412) 363-9000

Completion Date: 2000

Cost of Entire Project: \$500 Million

Work for Which Firm Was Responsible: Twenty-Five Thousand Dollars

Nature of Firms Responsibility:

Land & Mapping Services was hired by Eichleay Engineers, Inc. as a specialty subcontractor to provide 3D (three dimensional) laser scanning & modeling services. A sample project has been completed to date and a second phase is currently under negotiations. This second phase would include both control surveys and laser scanning & modeling. The focus includes a pair of basic oxygen furnaces and the surrounding facilities. Our final product will aid in the design and instillation of proposed secondary and tapping hole emission hoods, ducting and instillation of a particulate bag-house.

Work For Which Firm Was/Is Responsible:

Surveying Services

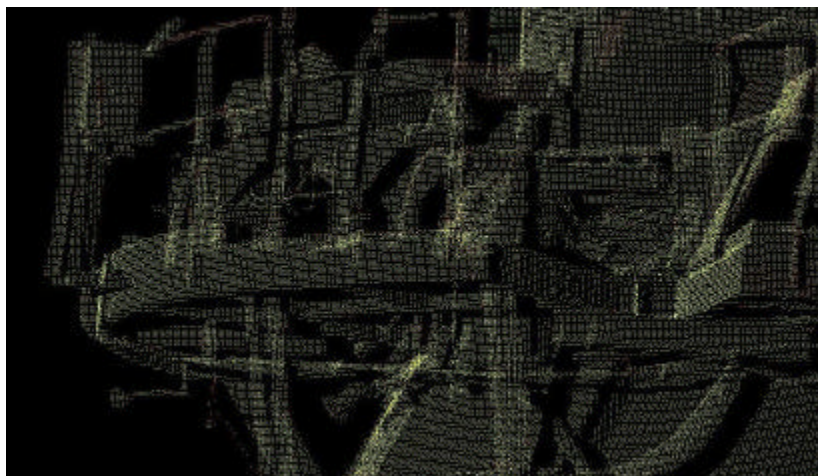
Survey control on multiple levels within the BOF building and in area of proposed bag-house.

Laser Scanning & Modeling

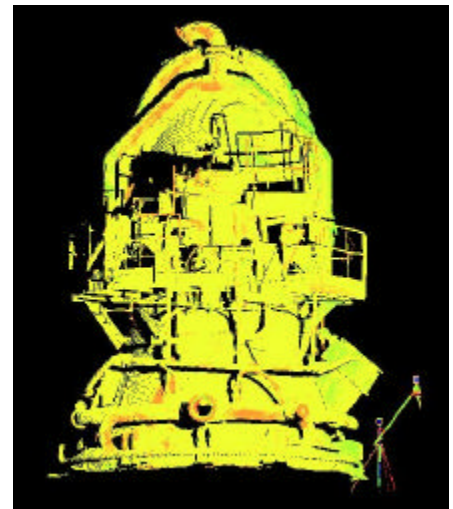
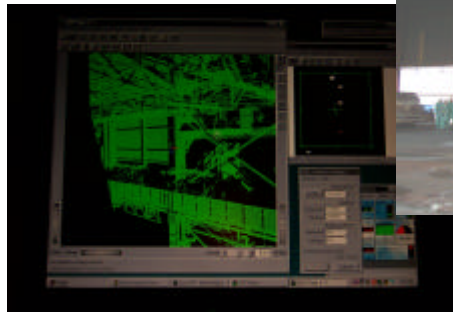
One basic oxygen furnace coolant hood has been completed to date. Second phase currently under negotiations.

Output:

Final output on this project will be in Intergraph Microstation "DGN" file format.



Detailed "scan cloud" of a portion of the coolant hood



"Scan cloud" of coolant hood



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