# Steel Plant Database: Overview

# Introduction

The Steel Plant Database is a powerful, comprehensive tool for research related to the American steel industry. The database includes ownership data, steel capacity data, and location information for all U.S. plants that are or were making steel. Plants that only heat and/or shape steel (in other words, plants that do not melt steel) are not included.

The database includes data on furnace and caster capacity over time; age of the steel-producing equipment within plants, the general product shapes, and plant types. Location information includes the usual city, state, and county information, as well as ZIP, FIPS, MSA, PMSA, and AISI codes.

With the Steel Plant Database, you can examine specific location and capacity data by furnace type. You can extract information that allows you to view trends in steel-making and related capacities. If used in conjunction with GIS (geographic information system) software, you can also view maps of capacity by geographic region.

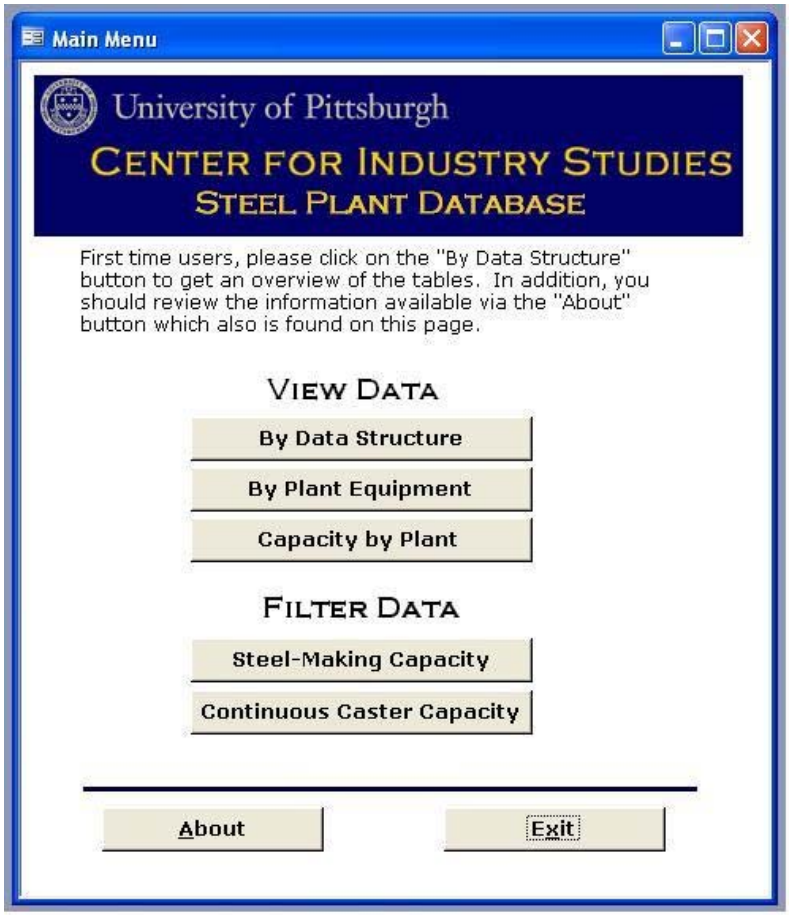
This document provides an overview of the main features of the Steel Plant Database. Example queries are also available at http://industrystudies.pitt.edu.

# Main Menu

*Main menu:*

*Use the **View Data** selections to see the data displayed in predefined forms.*

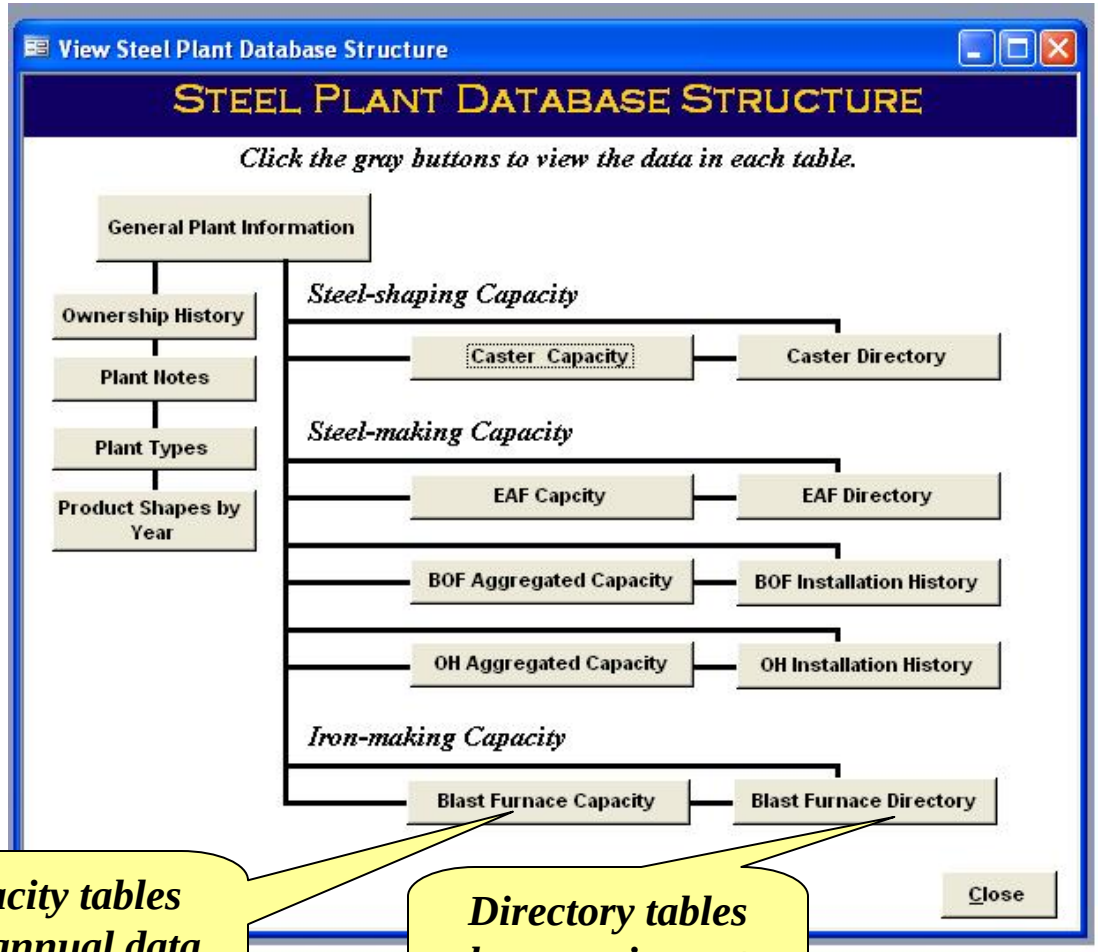
*Use the **Filter Data** selections to create your own queries*



# View Data: By Data Structure

*By Data Structure:*

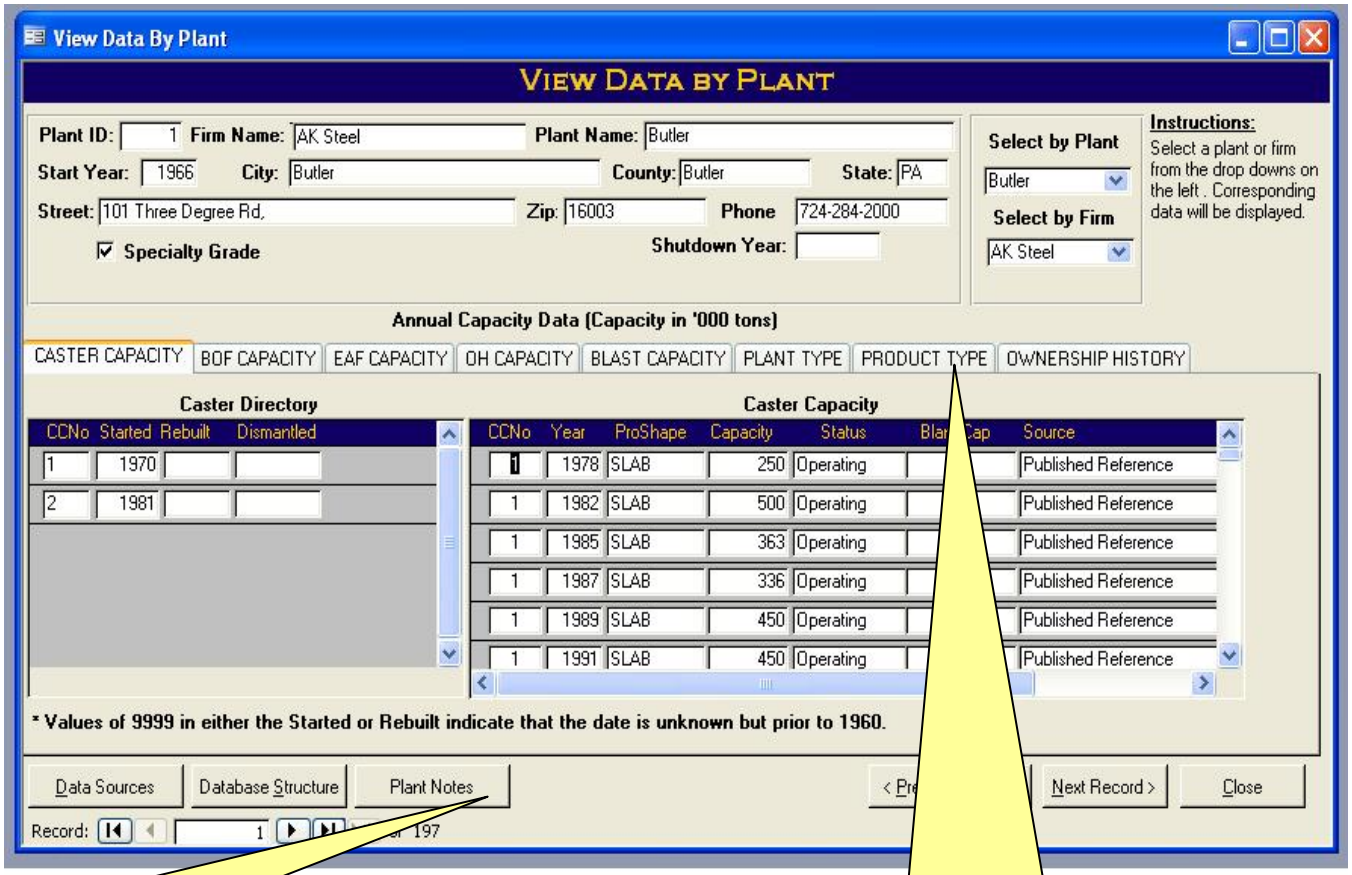
*View Data by Data Structure shows a diagram of how the tables are connected. Click the name of a table to see that table's data.*



# View Data: By Plant Equipment

*By Plant Equipment:*

*View Data by Plant Equipment shows data organized by plant and includes all capacity data as well as plant type, product type, and ownership history for the plant. Data is presented in separate tabs.*



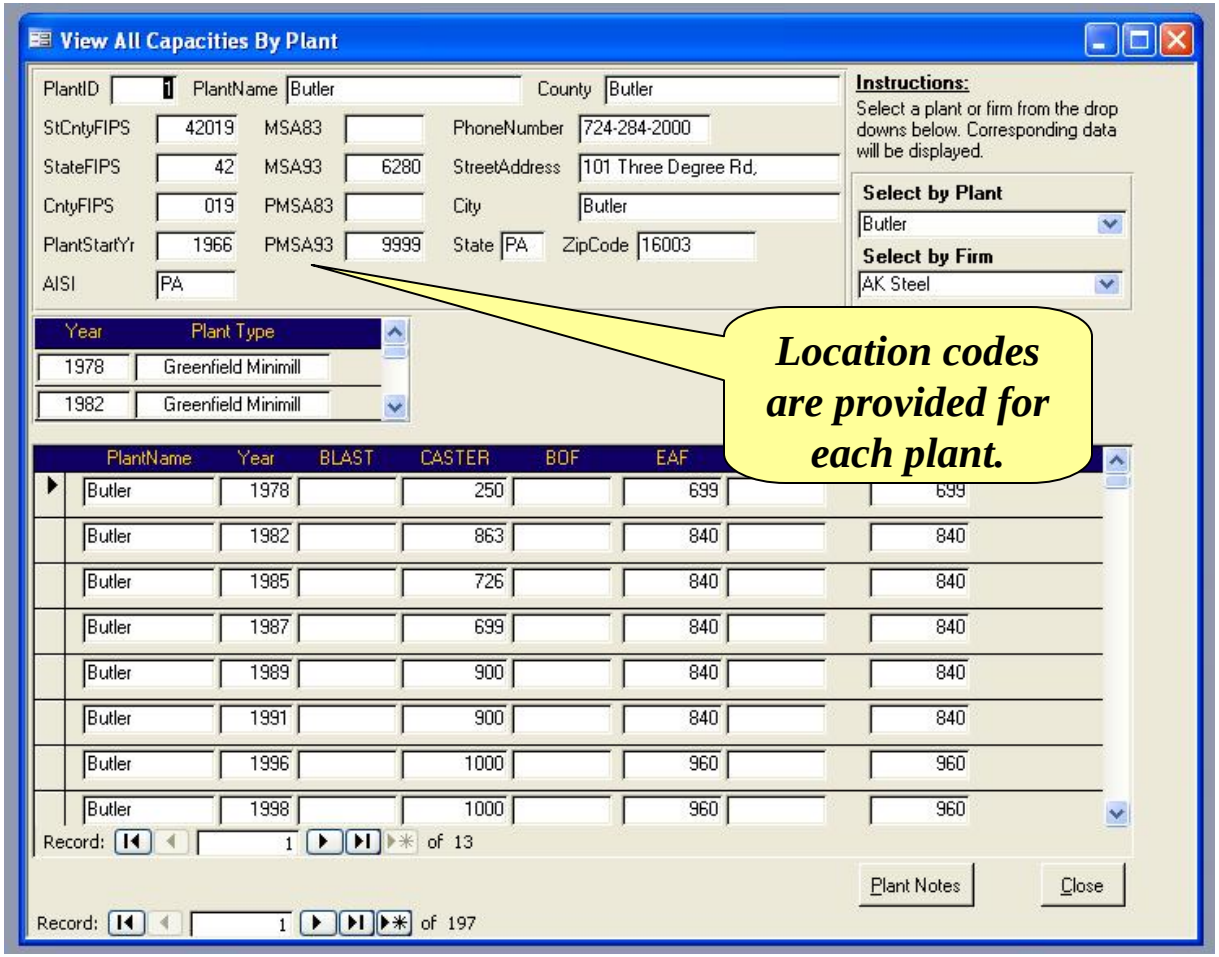

***Plant Notes provide background information on each plant***

***Each tab offers a different type of data about the plant***

# View Data: Capacity by Plant

*Capacity by Plant:*

*View Data, Capacity by Plant Equipment aggregates operating furnace and caster capacity data and presents annual totals in thousands of short tons for each of the plants. All data is presented in a single table.*

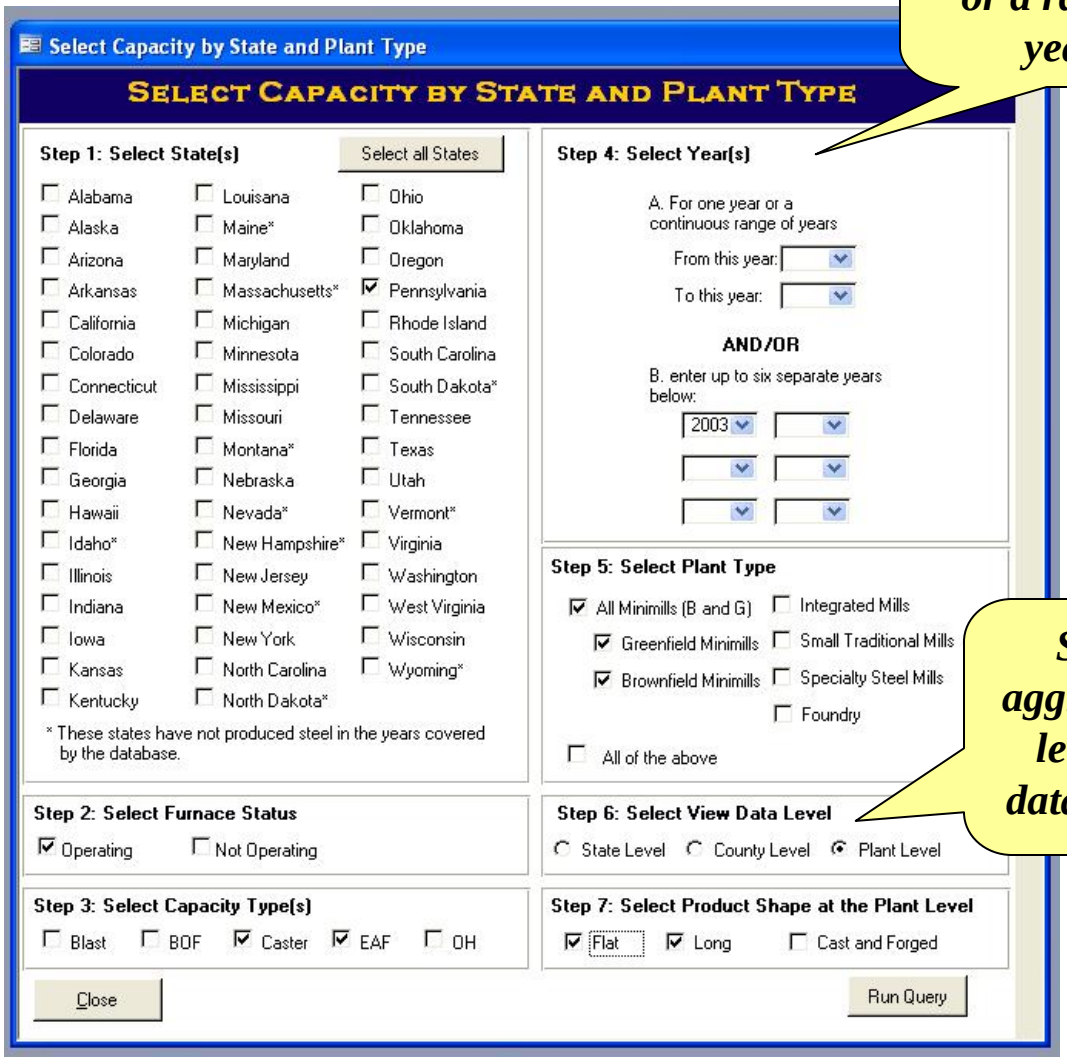


# Filter Data: Steel-Making Capacity

*In Filter Data by Steel-Making Capacity, query the database to see capacity data of furnaces and casters by region and by plant types.*

*Sample queries are available.*

***Select individual years or a range of years.***




***Select aggregation level for data results***

# Filter Data: Continuous Caster Capacity

*In Filter Data by Continuous Caster Capacity, query the database to see capacity data of casters by region and by plant types.*