



Data Direct Excel Add-in

A common issue for Microsoft Excel users is that they spend more time preparing data than they do analyzing it. ZEMA's Data Direct Excel Add-in is designed to eliminate time-consuming manual processes and provide users with the benefits of automated data retrieval, reduced errors and increased efficiency.

ZEMA's **Excel Add-in** supports the upload and download of data across the ZEMA application suite. Users can dynamically embed pre-saved ZEMA queries, insert corporate data stored in ZEMA, and leverage any number of market data reports using simple point-and-click features through their Excel toolbar. Once requests are embedded into Excel they can be refreshed and updated automatically or manually.

Power Up Analysis

Data Direct is designed to make Excel spreadsheets more powerful than ever. By embedding real time and historical data directly into Excel, more time can be spent creating analysis and making informed business decisions. Once data is embedded into Excel, users can reference that data via look ups, create pivot tables, connect to Power Pivot, create models, and visualize the information through graphs or self-created dashboards. ZEMA data is embedded as dynamic data ranges that ensure analysis is always up to date.

Moreover, spreadsheets created in Excel can be saved and referenced by any number of third party applications or corporate processes.

Access the Entire Corporate Data Library

The entire corporate data library is available to your spreadsheets through **Data Direct**. Users can access any data they are entitled to in ZEMA including data of any commodity, from any provider, and of any granularity. Any internally generated corporate data can also be embedded if it is mapped to ZEMA.

ZEMA Data Direct Excel Add-in Features:

- Embeds data directly to Excel worksheets
- Eliminates the need for manual data retrieval processes
- Refreshes results for up-to-date information
- Supports data entry and uploading from Excel

Retrieve Pre-Saved ZEMA Queries

Not only can users access raw data reports, but they can also access any query saved in ZEMA. Excel is great for analysis, and ZEMA is great for data preparation and staging; by combining the two systems, Excel's capabilities are greatly enhanced. Embed derived data as forward curves, aggregated, shaped or transformed via specialized ZEMA formulas. Anything that can be done in ZEMA can be dropped into Excel. When queries are updated, the results in Excel are updated as well.

Embed Multiple Queries at the Same Time

Embed single or multiple requests into worksheets at the same time. Each request can have its own unique settings, and multiple queries can be updated at the same time. By embedding multiple requests into spreadsheets, users can create more sophisticated analysis, models, forecasts, and more. Blend any number of data reports and ZEMA saved queries.

Customize Refresh Options

Requests embedded into spreadsheets can be updated in many different ways. Data can be embedded as static data sets, rolling ranges or cumulative imports. Moreover, updates can occur on a recurring time interval, on manual requests or on spreadsheet open. The flexibility and timing of updates is entirely user-defined.

Upload Data Back to the ZEMA System

ZEMA provides the option for users to upload data directly from Excel into the ZEMA database. By simply clicking on one of the upload options on the **Data Direct** tool bar, users will be provided with specialized forms to upload their forward curves, forecasts, and spot prices. By simply entering the values into the forms and pressing the upload button, data is returned to the ZEMA database and made available throughout all ZEMA tools and applications.

