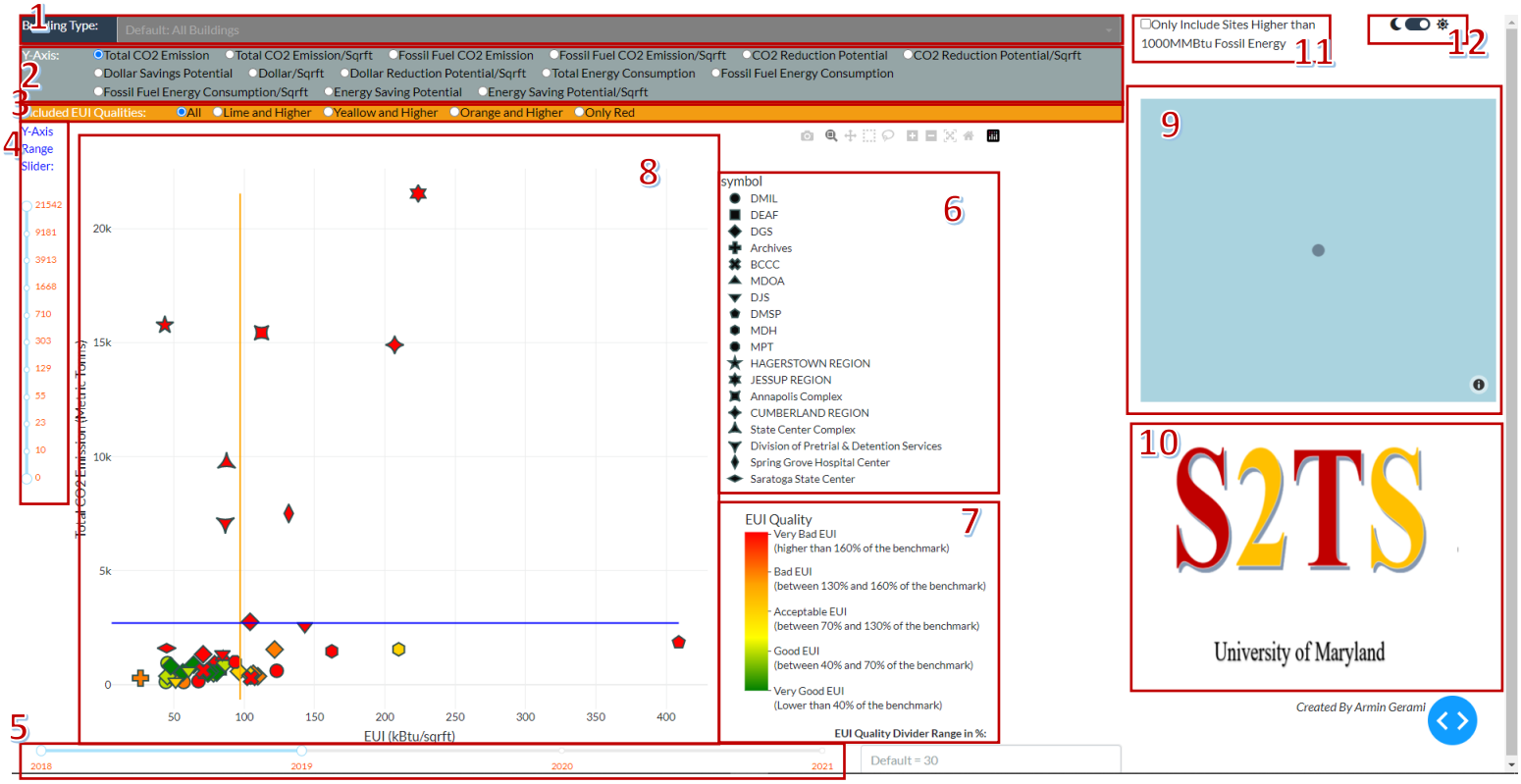
The features' locations have been marked below. The explanation for each one is pro



Features:

1. Building Type Selector: By clicking on the gray tab, a scroll-down list appears. User can either choose all buildings to show or only buildings with specific usage type. If a specific building type is chosen, a vertical purple line is also shown, which marks the Energy Star benchmark EUI for the building type.

Note: For some of the building types (e.g. in the provided version, "Hanger"), no buildings are of that type. If one those building types get chosen, nothing will happen.

2. Y-Axis Selector: Select which criteria to be shown as the Y-Axis. The plot will show selected Y-Axis vs EUI.

3. EUI Standing Filter: This Filter allows users to include buildings that have a EUI standing (represented by colors) worse than what is chosen. The EUI quality of a building compares how good or bad it is doing with respect to the Energy Star benchmark for that building type. The EUI quality is shown by color (see section 7 for colors definition).

4. Y-Axis Range Selector: Since a wide variety of buildings are shown in the plot, the values can differ significantly. This feature allows the user to specify a range to better see the desired range.

5. Year selector: The user can choose the year range, and the numbers are calculated based on the average of buildings consumption for that year range.

6. Symbols: Campuses are differentiated by symbols. By clicking each symbol on the legend, user can exclude/include the campus, and by double clicking, the symbol only the selected campus would be included (double click again to include all the campuses).

7. EUI Standing: A color will be determined for each building based on how it is doing compared to its respective Energy Star benchmark (based on building usage type). The coloring is as follows:

By default, the range divider (X) is 20%, but the value can be changed by typing the desired value in the box below.

Green: Building has a EUI of (100 – 2*X)% or lower than the benchmark (considered very good)
Lime: Building has a EUI between (100 – 2*X)% and (100 – X)% of the benchmark (considered good)
Yellow: Building has a EUI between (100 – X)% and (100 + X)% of the benchmark (considered on par with the benchmark)
Orange: Building has a EUI between (100 + X)% and (100 + 2*X)% of the benchmark (considered bad)
Red: Building has a EUI of (100 + 2*X)% or higher than the benchmark (considered very bad)

8. Plot:

- By hovering over each point, various information about the building, and a pie chart of energy types show up.
- By clicking and dragging the mouse, the plot will zoom in on the region.
- By double-clicking a white space, the plot will zoom out to the default view.
- By clicking a point, a report of that building will be downloaded.
- The vertical yellow line is the average EUI of all the buildings shown in the plot.
- The blue horizontal line is the average Y-axis value of all the buildings shown in the plot.

Note: At the moment, a basic report will be downloaded by clicking on a point. This report will improve in the future.

9. Map plot: by hovering over each point on the plot, the building's location on the map will be shown as a grey dot here. By hovering the mouse over the blue dot, geographical information such as address, latitude and longitude will show up.

Note: Since campuses are multiple buildings, they don't have a single address or latitude and longitude. For campuses, address shows up as null on hover data, and longitude and latitude are averages of the buildings on the campus.

10. By hovering over each point on the plot, picture of that building shows up here

Note: we did not have pictures of all the buildings, so we used the pictures of the buildings we had for all of them and therefore you will see a picture that is not actually that building. The pictures will become accurate in the future.

11. Fossil Fuel Filter: By checking the box, buildings who consume less fossil fuel than specified will be excluded from the plot.

Note: At the moment, the specified value is 1000 MMBtu, but in the future this number can be deliberately changed.

12. Dark View: By switching the toggle, the theme will change to dark colors.