With the help of a software or AI tool, I want to be able to take **a reference point** on Google map or google earth, and then from the reference point calculate parameters in a given radius (Area) of 1, 2, to 3km (maximum of a mile)

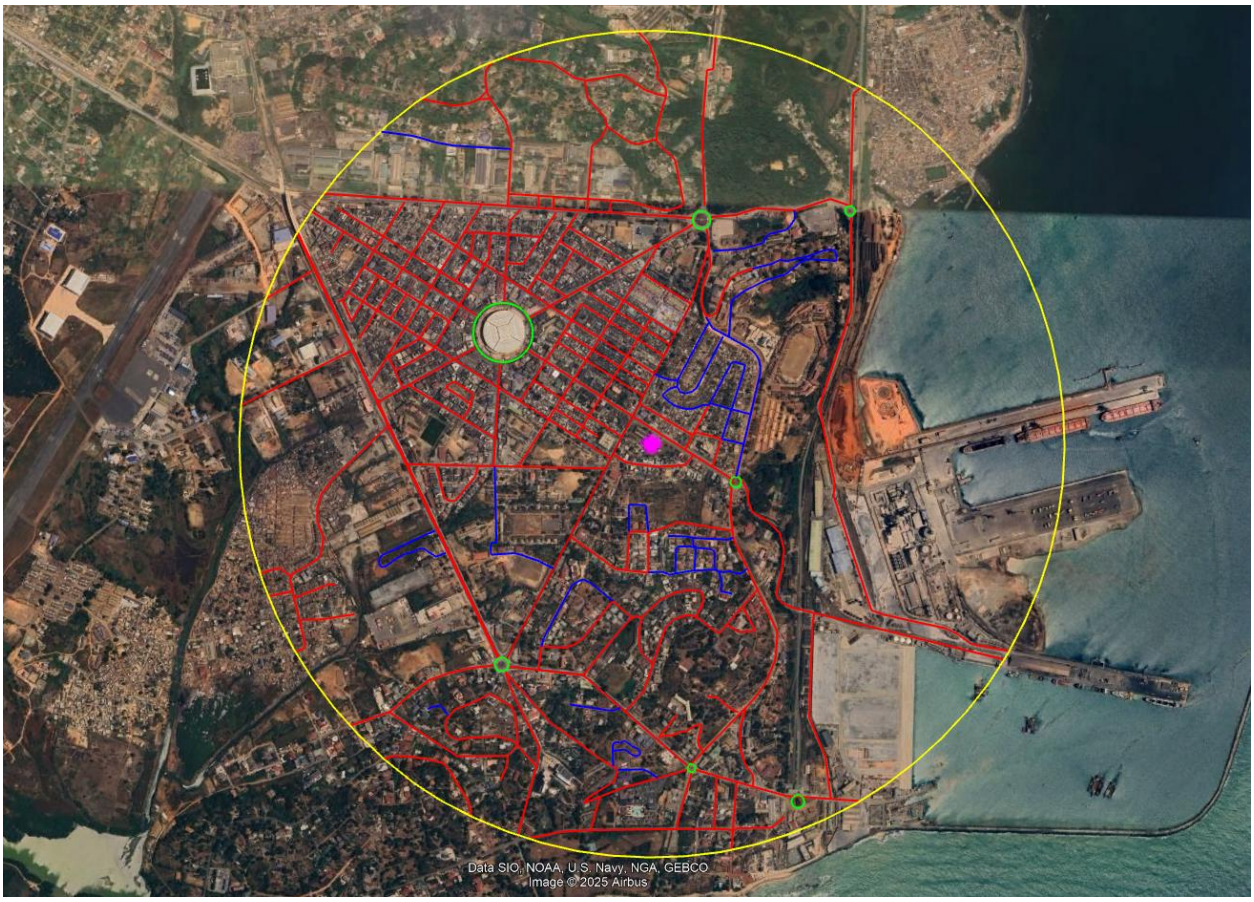
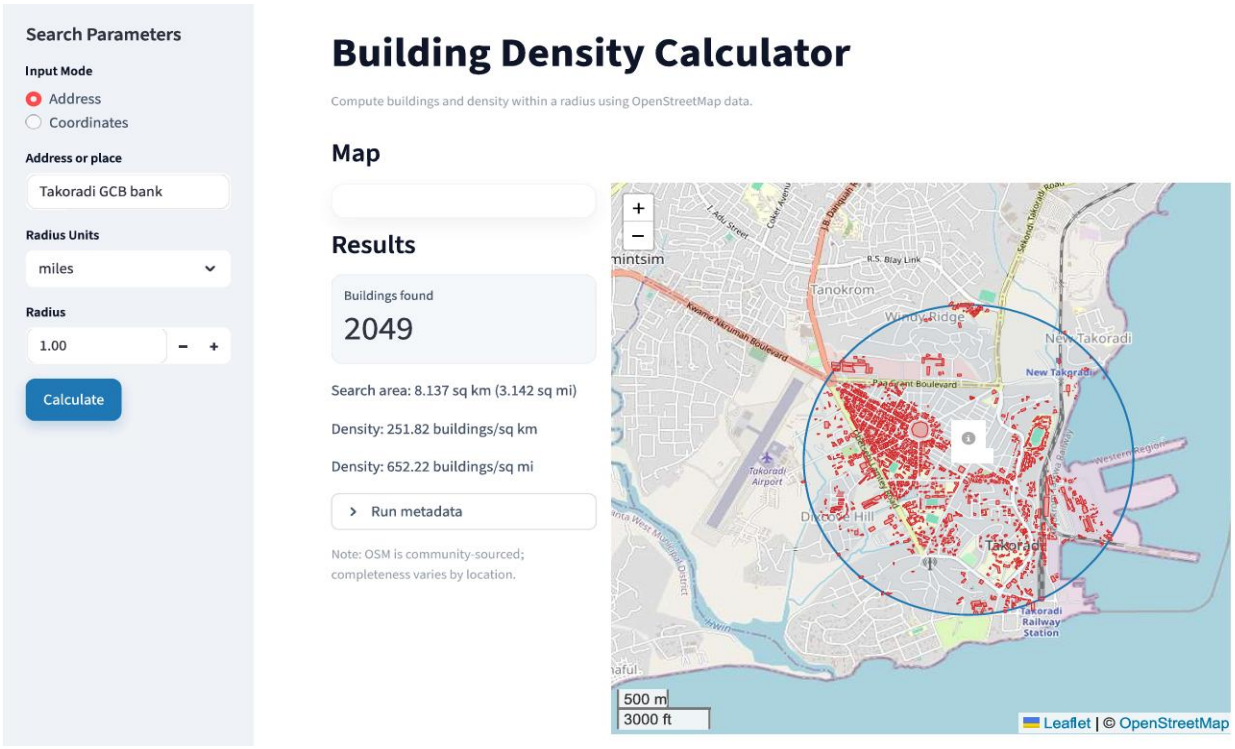


Figure 4.6paremeters with the catchment area



Parameters in given radius

<u>Google api Traffic within radius</u>

peak hour volume, 24hr volume

Speed within radius, average, highest and lowest speed, 85th percentile

Road Parameters within radius

The number of intersections

Tarred intersections

Untarred intersections

Length of roads

Tared roads length

Untarred roads length

Length of sidewalks

Area of roads

Area of tared roads

Area of untarred roads

Building parameters within radius

The number of buildings

Density of buildings

Average height of buildings

Total height of buildings

Area of buildings to land area

Covered land area to bare land area

Number and density of certain land uses within area or radius

taxi stations,

bus stops,

lorry stations.

markets

Schools

hospitals

Proximity of certain land uses within radius to reference point,

how far these paremeters are away from reference point within the radius area in terms of shortest distance, longest distance and average distance, total distance

intersections
taxi stations,
bus stops,
lorry stations.
markets
Schools
hospitals
infact the more identifiable land uses the better

a**rea of these land uses within the radius area**

taxi stations,
bus stops,
lorry stations.
markets
Schools
hospitals
infact the more identifiable land uses the better

please counting on you