



**TYGRON** PLATFORM

Housing, climate adaptation, energy transition, nature and biodiversity. What is the action perspective, which measures are effective? A digital twin helps with integrated decision-making. By combining (geo)data, calculation models and 3D visualizations, the Tygron Geodesign Platform helps organizations to make well-considered spatial decisions. Using a cloud based Supercomputer with state-of-the art parallel processing based on GPU technology. The Tygron Platform gives insight in the current situation in your area of interest, as well as into the impact of future scenarios, such as the impact of an urban plan on its surroundings.

The Tygron Platform is an open web platform with a publicly available and documented API, and works according to open standards. This makes it possible to integrate it into an ecosystem, that import and export (real-time) data with other web applications and visualizations.

- Import and export data (WFS, WMS, GeoTIFF, GeoJSON, CityGML, Esri I3S and dxf).
- Compatible with various industry standard products (e.g. Esri (online), QGIS, BIM, Autodesk, OpenLayers and FME).

Data is communicated over the Web using API endpoints. This makes it possible to for example automate interactions, update live sensor data or add additional simulation models. The API is based on modern web standard based on secure RESTful JSON endpoints (supported by many programming languages) and works with various security layers to keep your data safe.

Tygron Platform has been used since 2005 by municipalities, water authorities, provinces, project developers and engineering consultants. In countries such as the Netherlands, Spain, Germany, USA, China and more.

