

MAPTHECLOUDS

Alexa Cristina

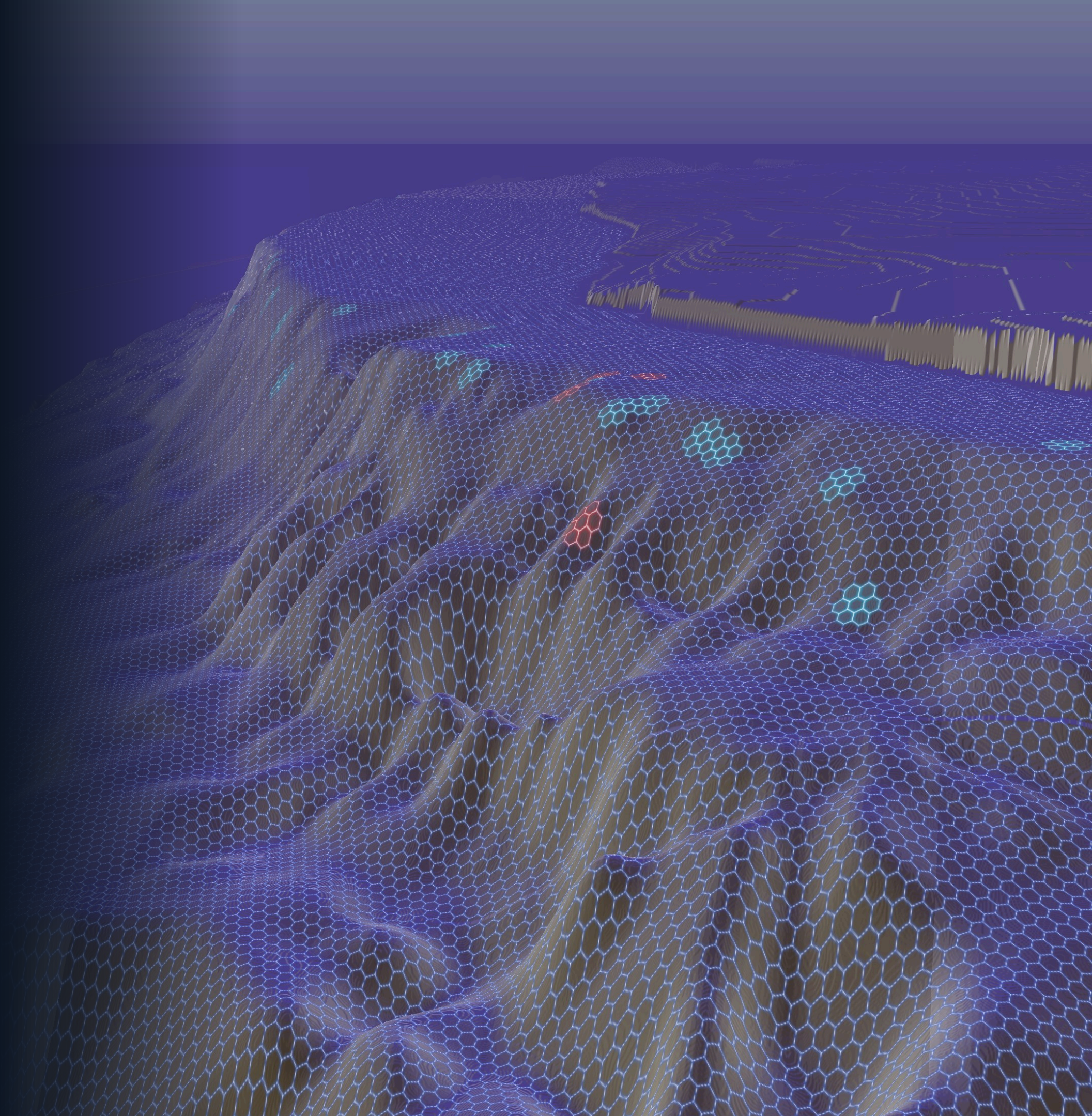
Senior Geospatial Developer

Interactive maps, spatial data platforms and 3D in the browser

alexa@maptheclouds.com

maptheclouds.com · linkedin.com/in/alexa-a-cristina

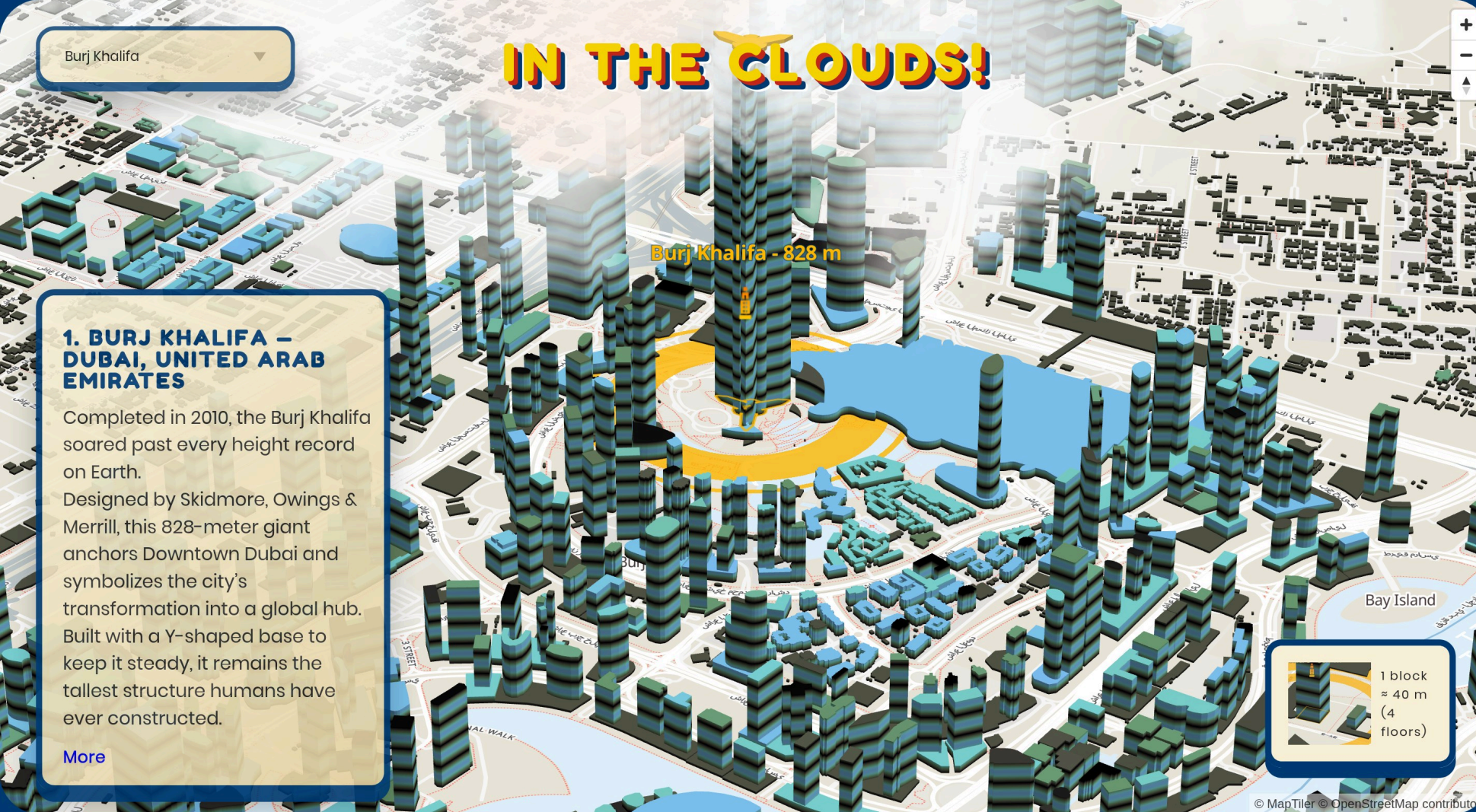
Capabilities deck 2026





Spatial data platforms. 3D maps in the browser. **Maps that fit into what you already have.**

I turn large, messy spatial data into maps people can read, from a global view down to a single record, and I build them to stay fast in production.



WHO I AM

From classic cartography to real-time 3D

I have spent **18+ years** with maps: cartography and GIS first, then web maps, then 3D in the browser. I work where data, design and performance meet.

The map has to be accurate, fast, and clear to someone who has never opened a GIS package. Outside client work I build my own experiments, like the ones on the left, to keep learning in public.

Based in Romania, working remotely with teams in the US and Europe.



The track record

Most of my clients prefer to stay unnamed, so instead of logos, here is what can be checked publicly.

18+

years in cartography, GIS and web mapping

100%

Job Success on Upwork, Top Rated

29

projects delivered on Upwork

2M+

companies served on one production map platform

15+

months in production for a 3D marine platform

100/100

days of the #100DayMapChallenge, completed

How I work

01

Short discovery

I look at your data and your current site first, often before the first call, so we talk about real problems.

02

Written scope

Phases, deliverables and a fixed or capped price, agreed before any work starts.

03

Visible progress

A working preview early on, then small increments you can review, not one big reveal at the end.

04

Clean handover

Code, accounts and documentation stay in your name, so another developer can pick it up.

I work as a senior contractor. When you write, you talk to me, not to an account manager.



What I build

From a single map added to an existing website to a full spatial data platform, with the data work, the frontend and the hosting handled in one place.

MAPS AND 3D

Interactive web maps (MapLibre, Mapbox GL)

3D maps and terrain (Three.js, WebGL)

Custom map styles and basemaps

Map integration into existing sites and CMS

Scrollytelling and guided map tours

PERFORMANCE

Audits of slow or broken web maps

Vector tiles and PMTiles delivery

DATA AND PLATFORMS

Spatial data processing (QGIS, PostGIS)

Data pipelines for millions of features

React dashboards with map views

APIs and databases (GraphQL, PostgreSQL)

Hosting and edge caching (Cloudflare, AWS)

SECTORS SO FAR

Environment and climate, marine, energy

Culture and heritage, real estate, events

Selected work

Three client projects, shown with the clients' permission and without identifying details.

ENVIRONMENTAL DATA PLATFORM

Making 2 million companies' environmental footprint explorable

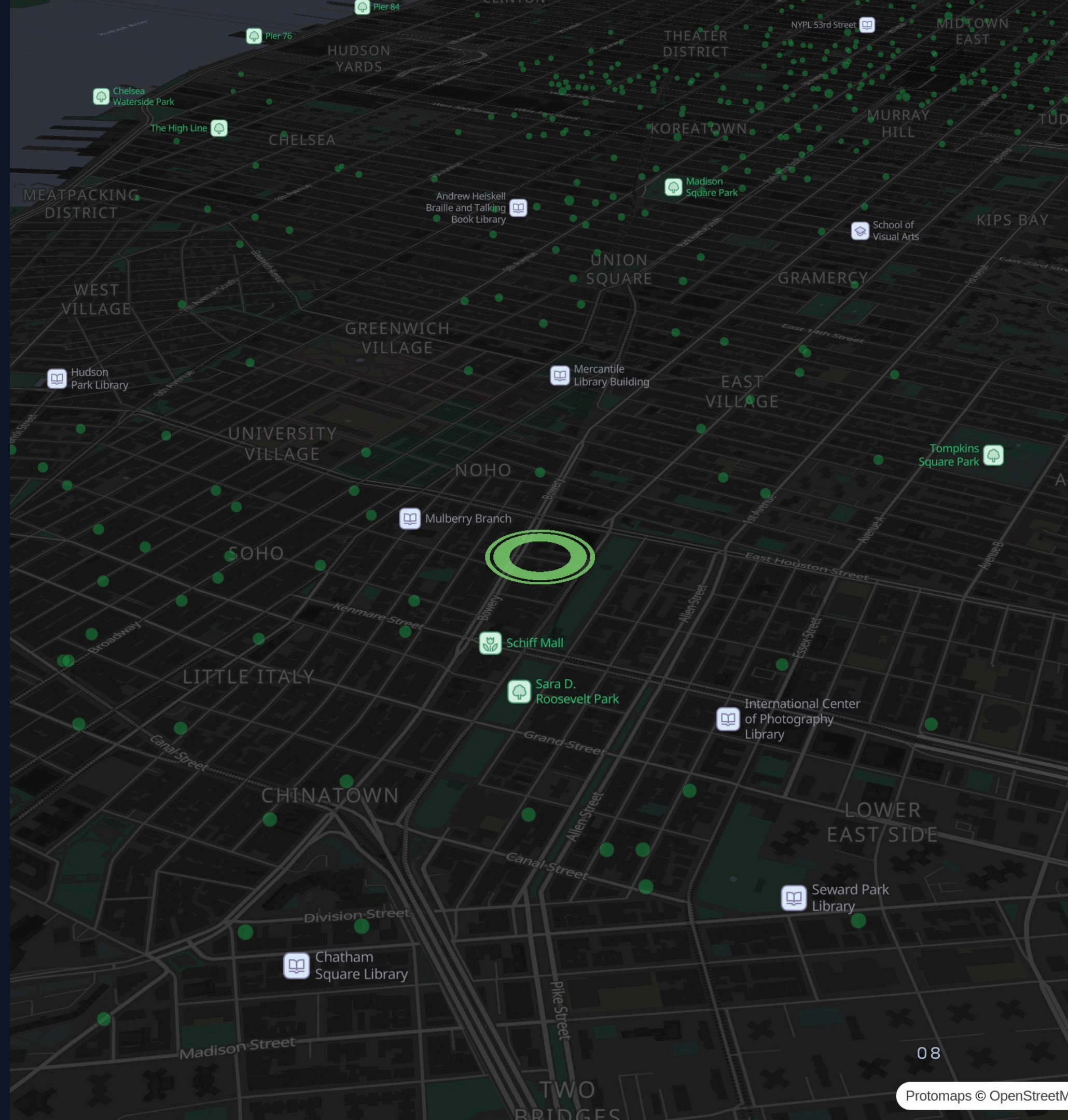
A research organization focused on environmental data had millions of company records and a live website, but no way to explore them on a map. I built the geospatial and frontend layer end to end, from a global view down to a single company, on an open-source stack the organization can afford to run.

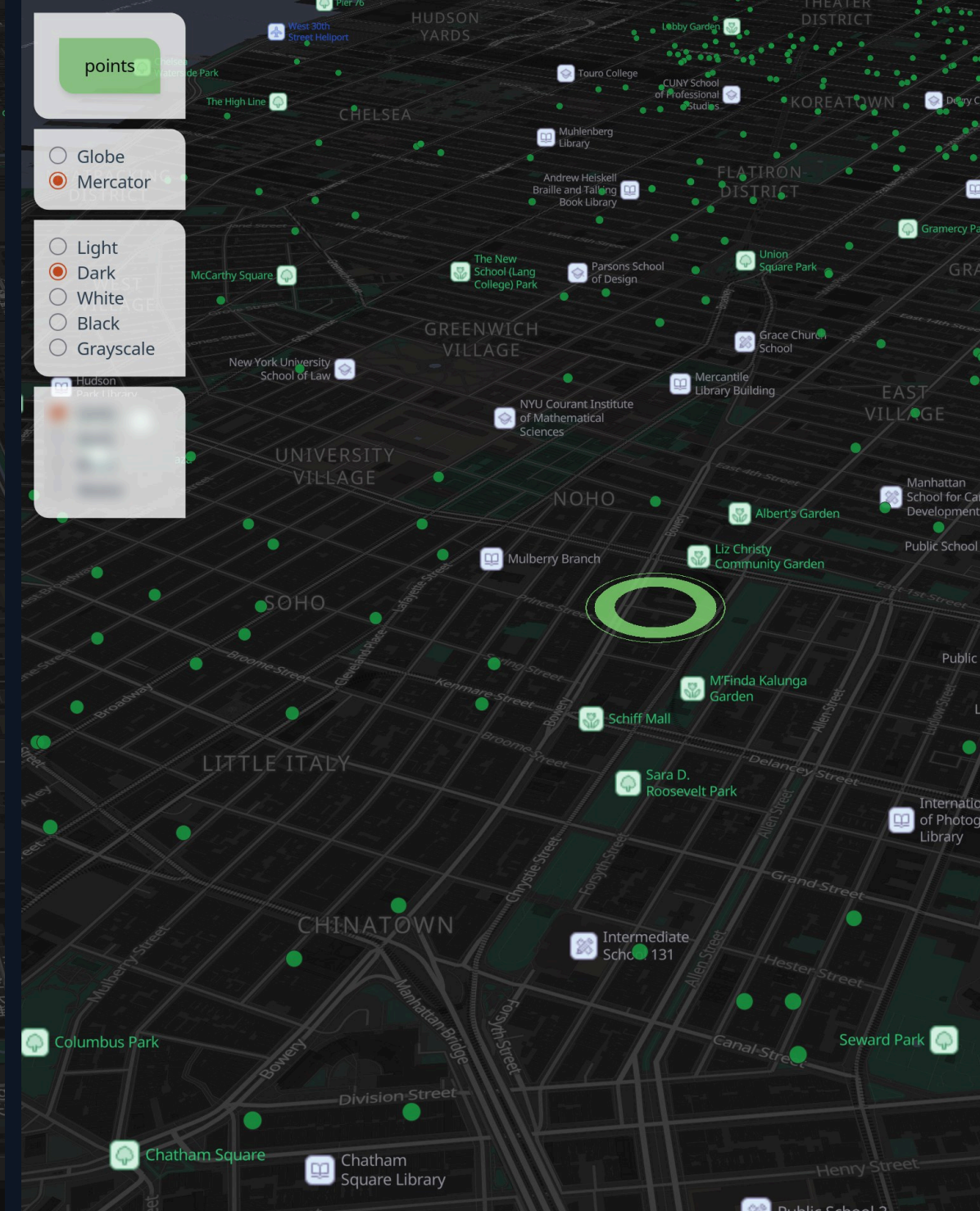
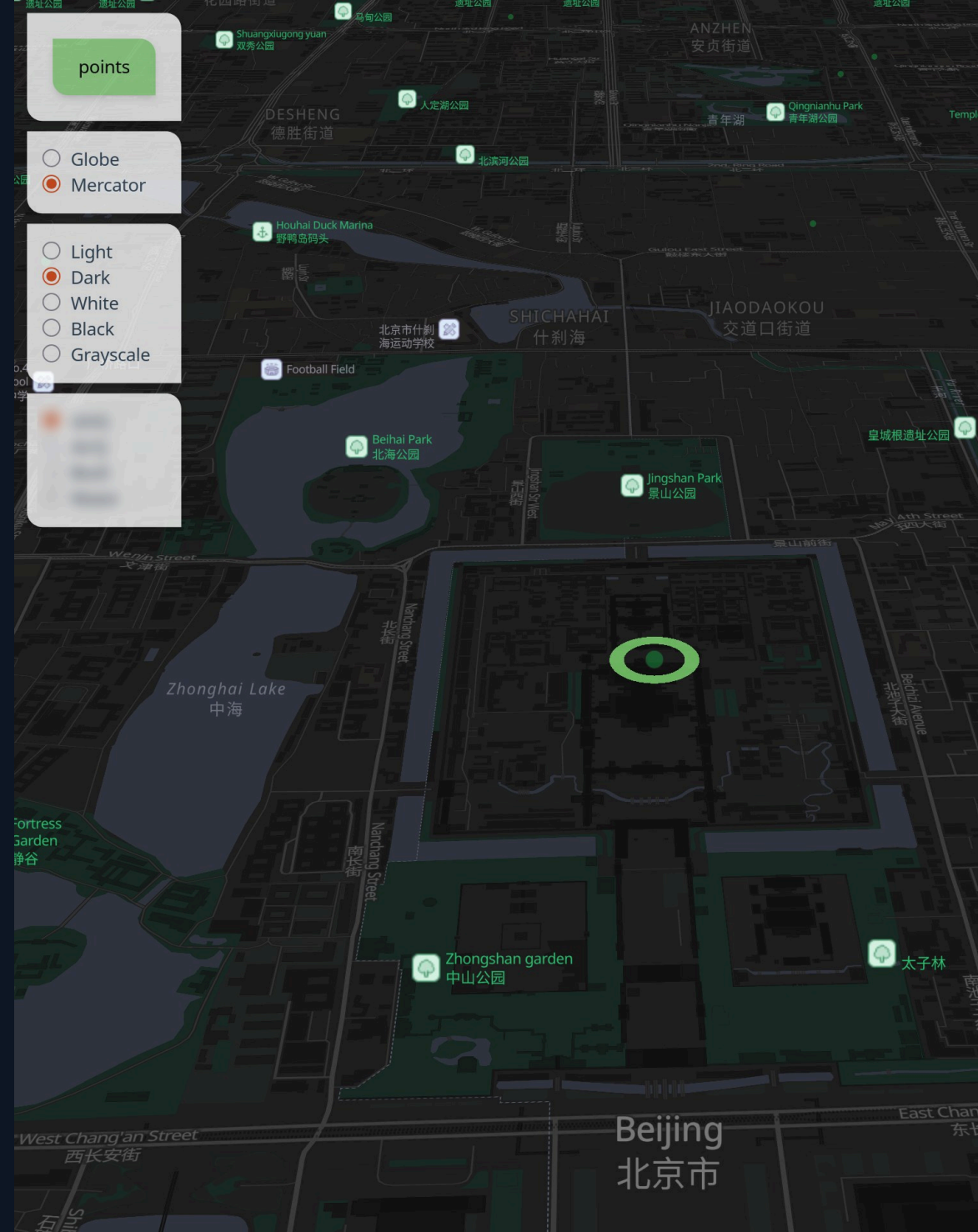
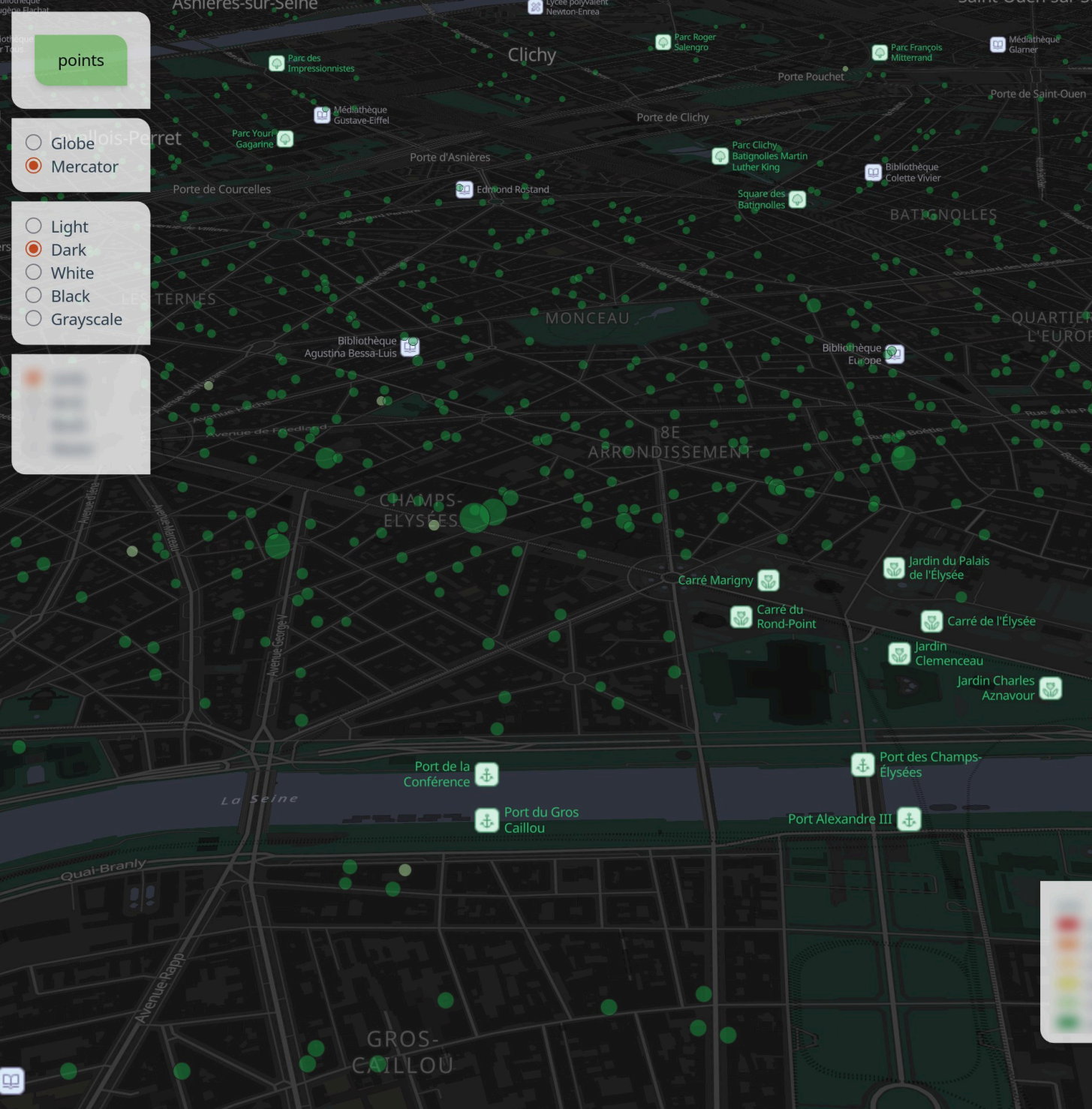
SCOPE Geospatial architecture, frontend engineering, data pipeline, infrastructure

STACK MapLibre GL, PMTiles, React, Vue/Nuxt, GraphQL, PostgreSQL, Cloudflare

SECTOR Environmental research

► [Watch the 1-min demo](#)





IMPACT

2M+ companies, interactive, in production

Delivered over several phases and extended repeatedly. In the client's words: "Working with Alexa was one of the best decisions we've ever made."

MARINE SPATIAL PLATFORM

From survey spreadsheets to a living 3D reef

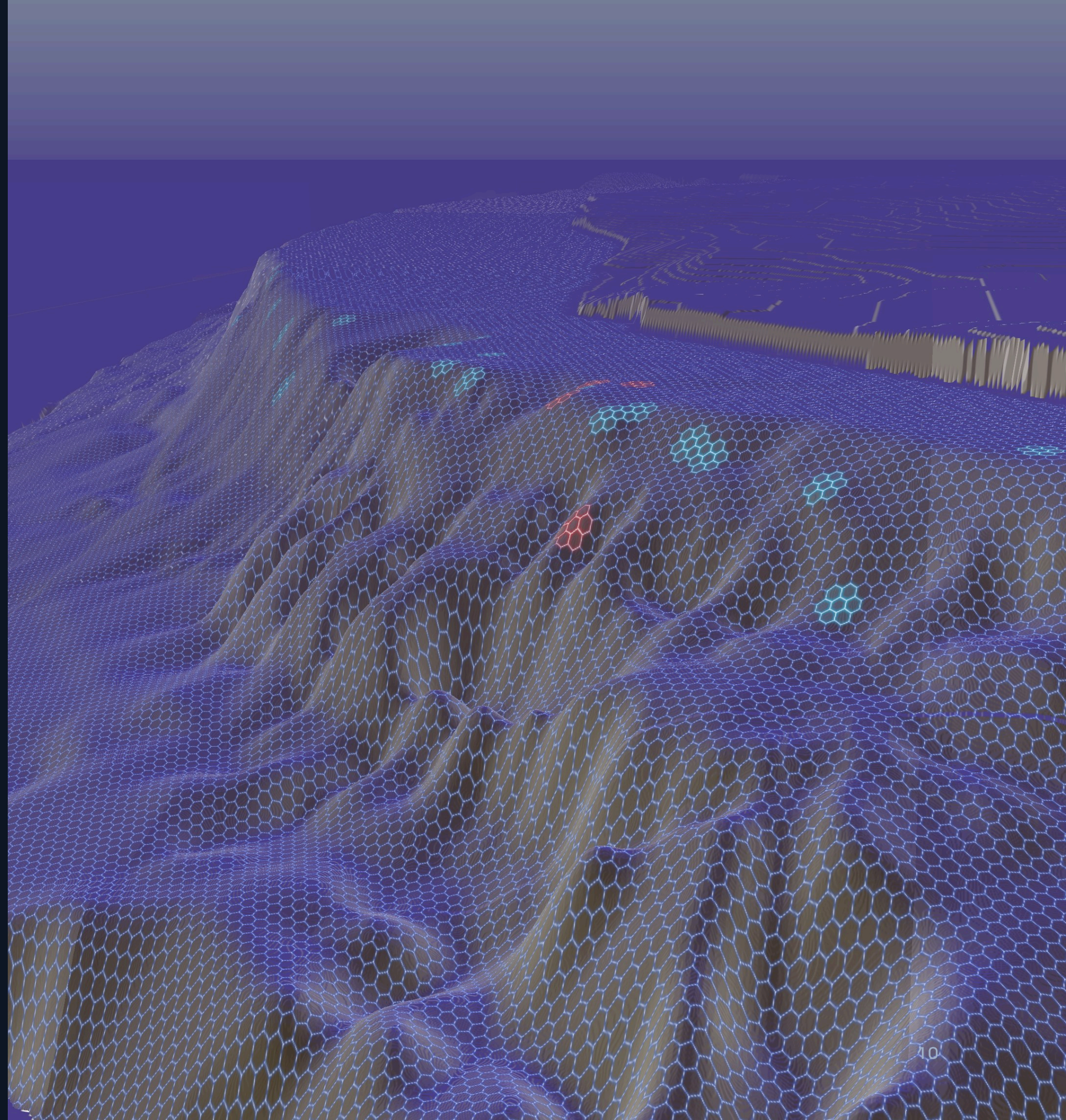
A conservation-focused dive operation surveyed its reef regularly, but the results lived in spreadsheets next to a 3D bathymetry model nobody could explore. I built a platform that puts the survey data on the reef itself, readable by people who will never open a GIS package.

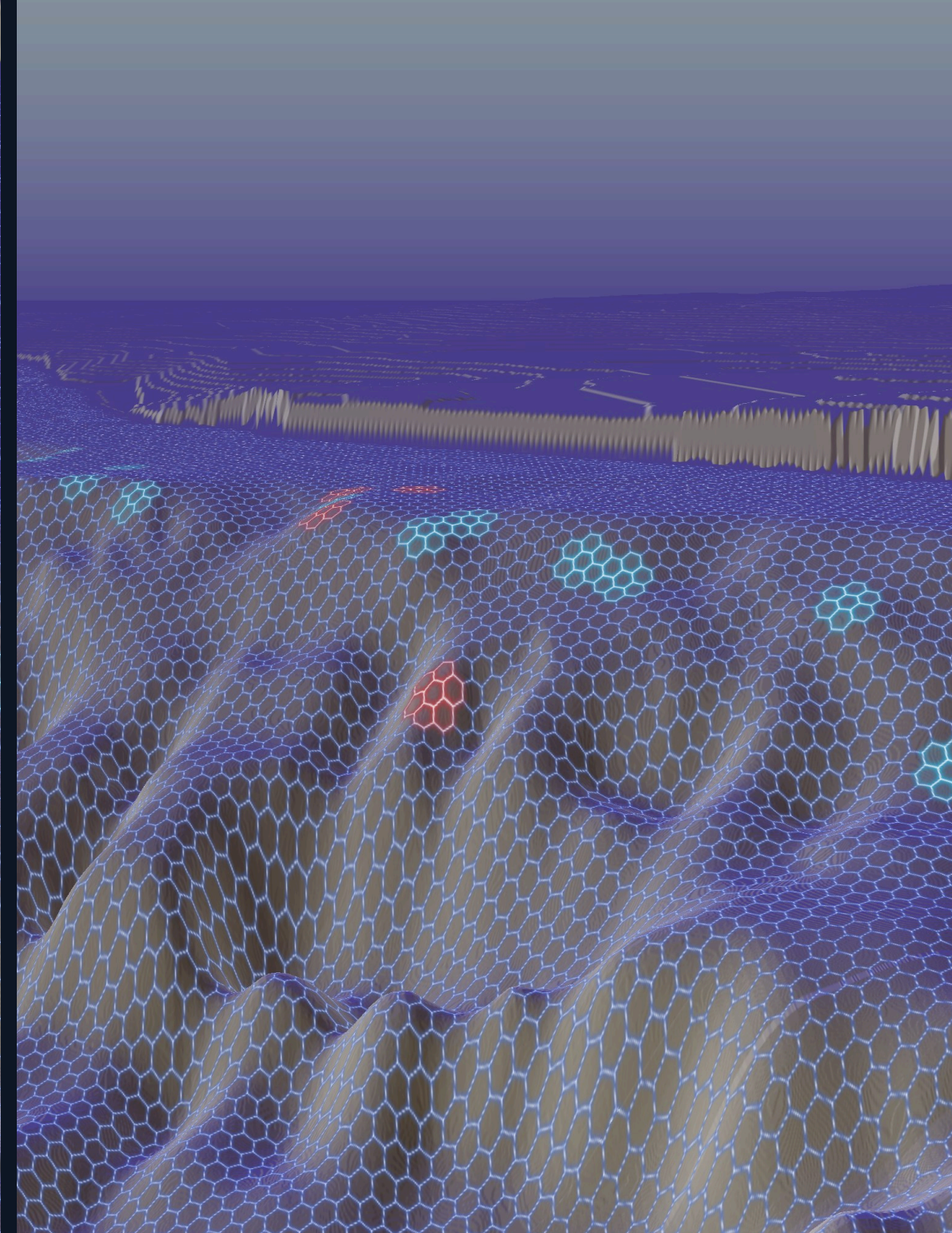
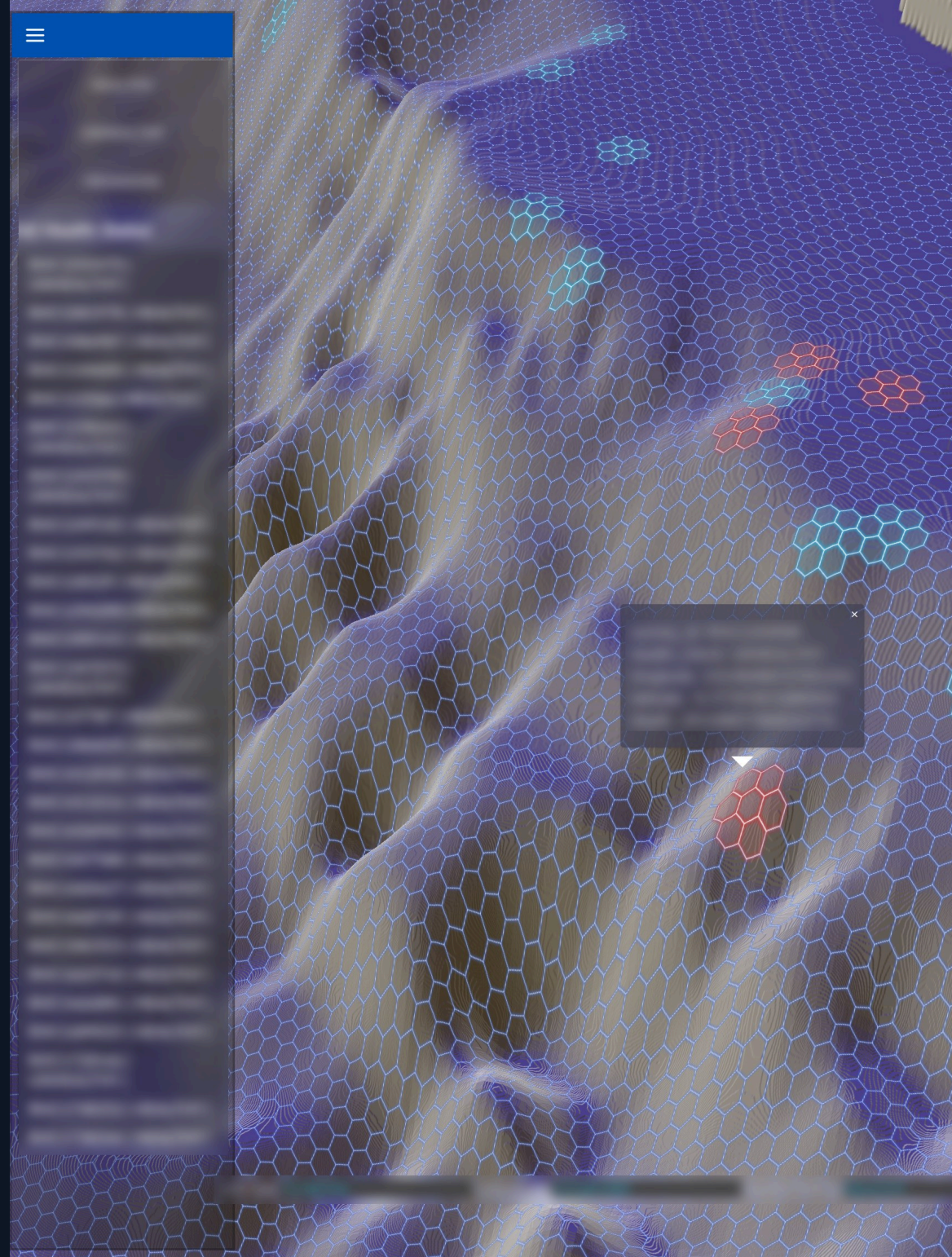
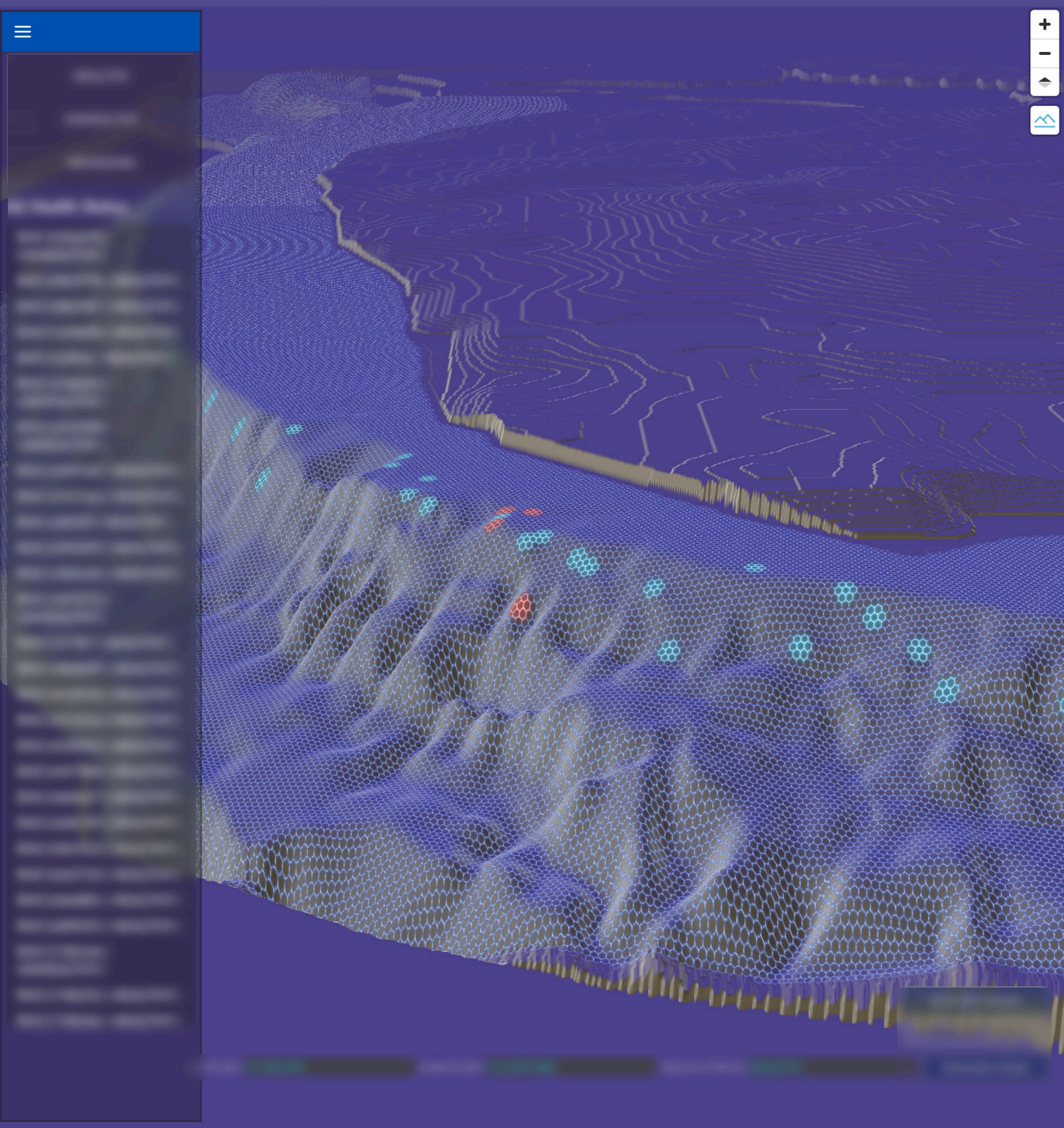
SCOPE GIS data architecture, 3D web development, hosting

STACK QGIS, MapLibre GL, Three.js, React, TypeScript, PMTiles, AWS, Cloudflare

SECTOR Marine conservation

► [Watch the 1-min demo](#)





IMPACT

15+ months in production

Moving from 3D Tiles to height tiles plus PMTiles kept delivery fast and hosting costs flat. The team updates the data from their own sheets, without a developer.

3D HERITAGE MAP

32 landmarks, one living map

A heritage awareness campaign wanted people to see its monuments, not scroll past them. After a paid consultation, I built a custom Three.js layer inside Mapbox GL: about 32 detailed 3D landmarks on the real city map, guided navigation between them, and a build the client embeds in its own CMS.

SCOPE	Technical consultation, 3D web development, CMS integration
STACK	Three.js, Mapbox GL JS, glTF, QGIS, React
SECTOR	Culture and heritage campaign

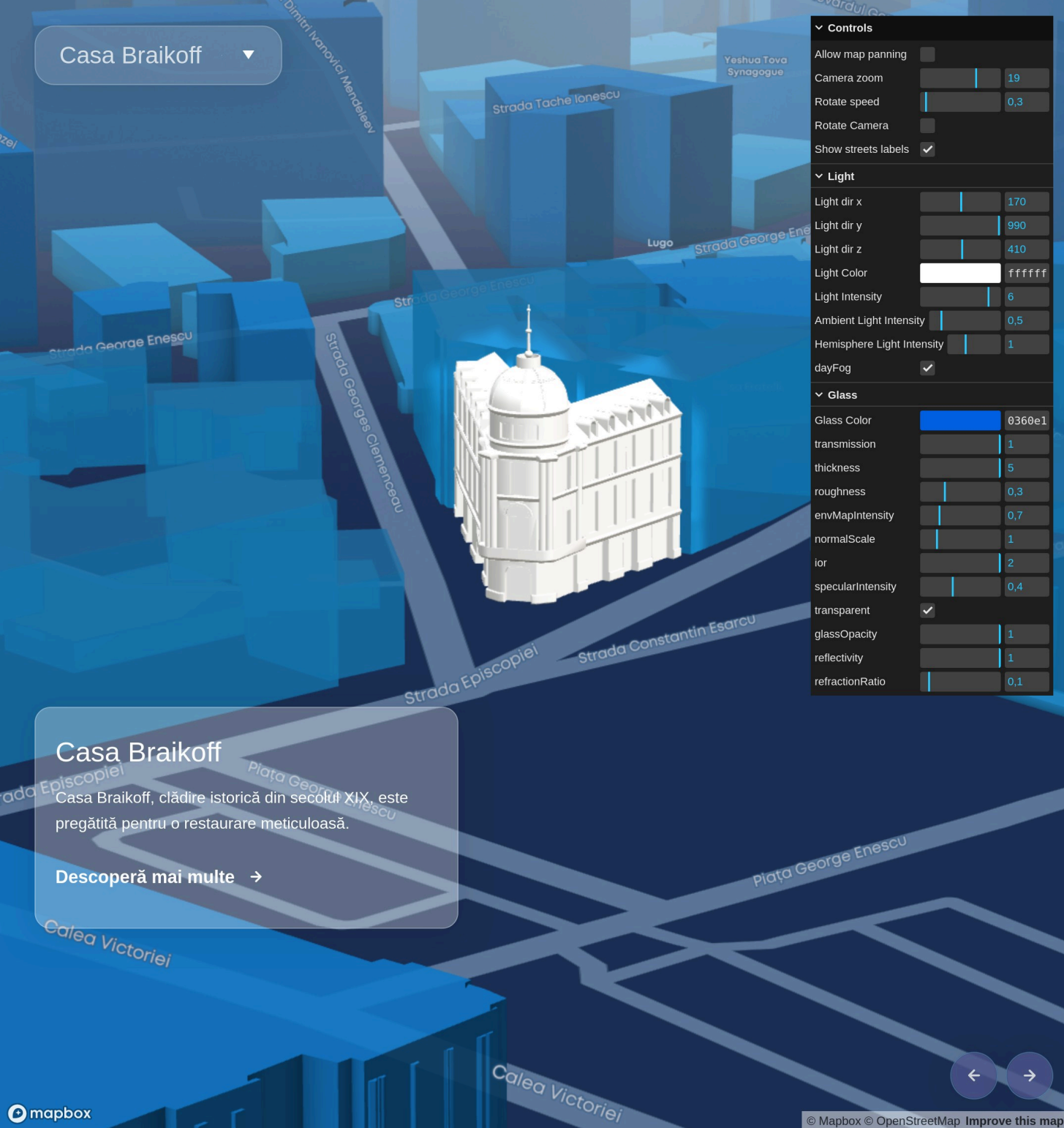
► [Watch the 1-min demo](#)



Casa Pompiliu Eliade

Casa Pompiliu Eliade: Refugiul istoric al unui erudit cultural.

Descoperă mai multe →



IMPACT

Both phases rated 5.0

“Insightful and practical” for the consultation, “Really cool project, highly recommend” for the delivery. 30+ models, lazy-loaded, at 50+ FPS, as the centerpiece of a public campaign.

What clients say

“Working with Alexa was one of the best decisions we’ve ever made... a true technical expert in her field.”

Environmental data platform, multi-phase engagement

“Really cool project, highly recommend.”

3D heritage map, delivery phase

On Upwork: Top Rated, 100% Job Success, and "Committed to Quality" highlighted by 15 clients.

Recent work: I worked with MOBY for their internal tools in collecting and representing ocean data through a web platform.



Have spatial data your users cannot see yet?

Send me a link to your site or a sample of your data. I will tell you what I would do with it, before we talk about a contract.

EMAIL alexa@maptheclouds.com

WEB maptheclouds.com

LINKEDIN linkedin.com/in/alexa-a-cristina