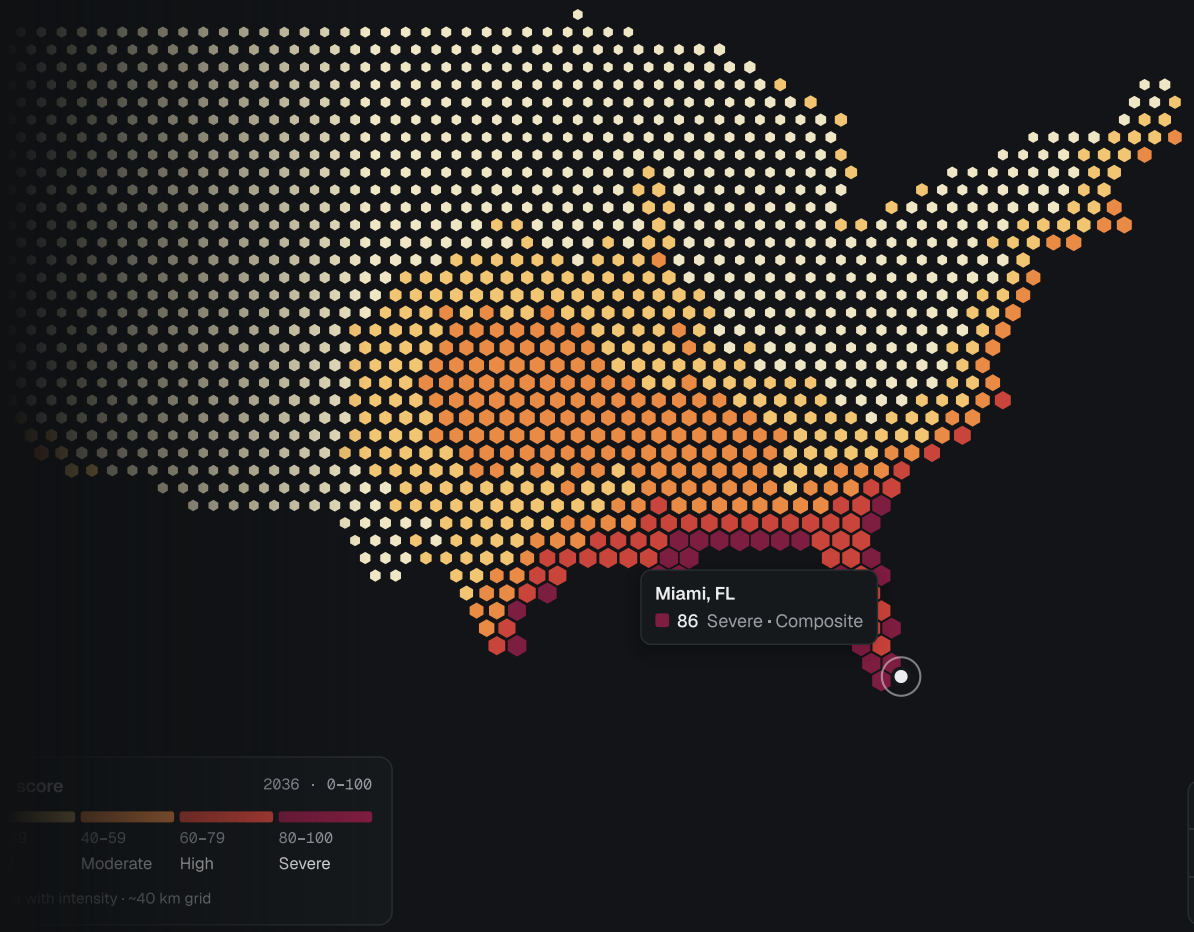
AON

Design process case study

Horizon / Site Climate Risk

Front end for an internal prototype that brings climate and property data into one interactive heatmap of the United States.



Internal design review

AON

Project context

Before

- Climate data
- Property data
- Spread across multiple internal systems



After



Horizon

One interactive heatmap of the United States

AON

Users and the core question

“Will this site face serious climate risk over the next 10 years?”

Who	Example	Horizon
Developers and corporations planning buildings	A new office tower in Miami	2026, 2031 and 2036

AON

Design principles

01

The heatmap carries the color

Restrained neutral UI in both light and dark modes.

02

Never color alone

Every color is paired with a number or label.

03

One view

Map, score, hazard breakdown and specific risks on one screen.

04

Help in context

Suggested questions change with the selected site.

AON

Final design

Platform

Desktop web app

Canvas

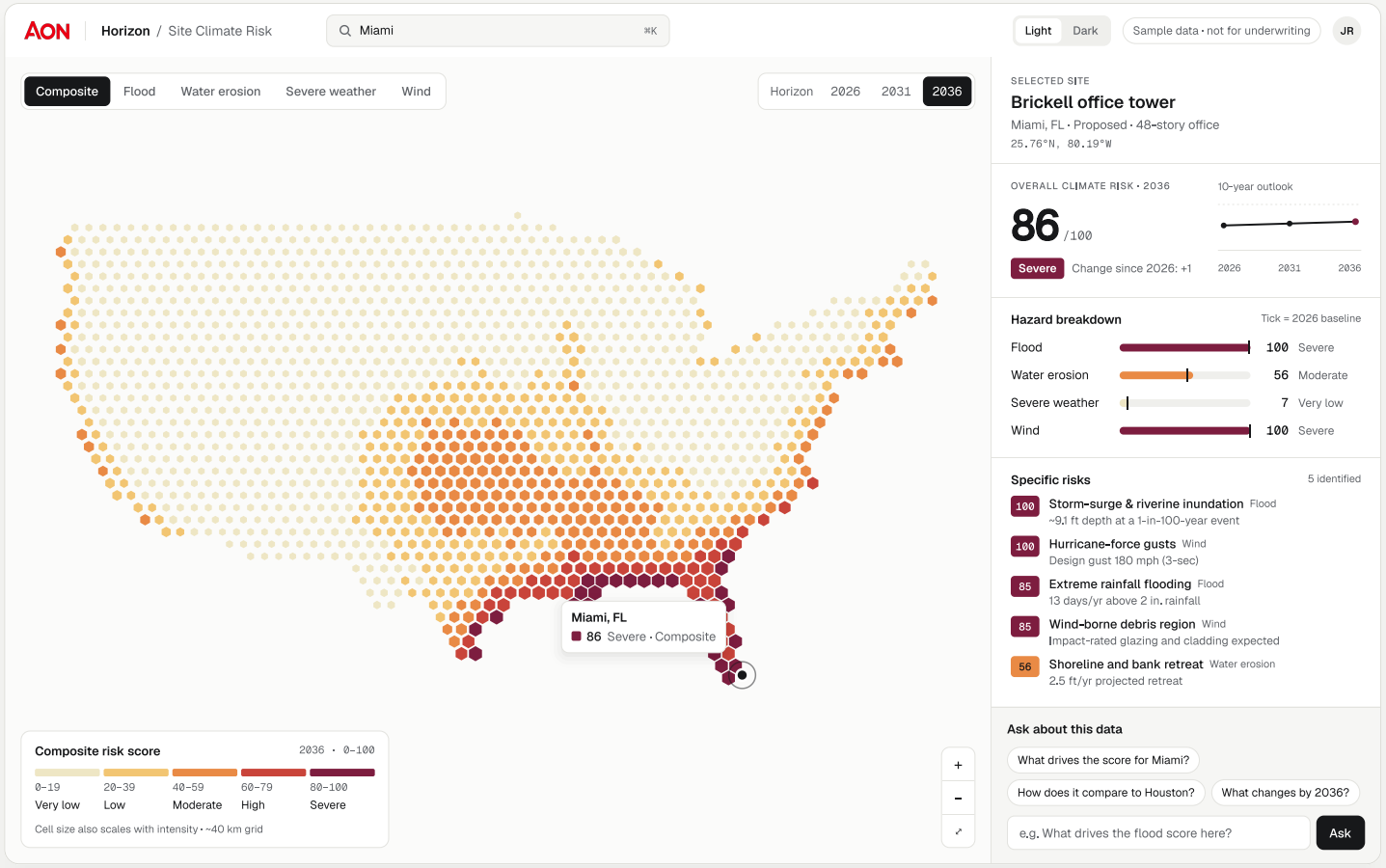
1440 × 900

Modes

Light and dark

Shown

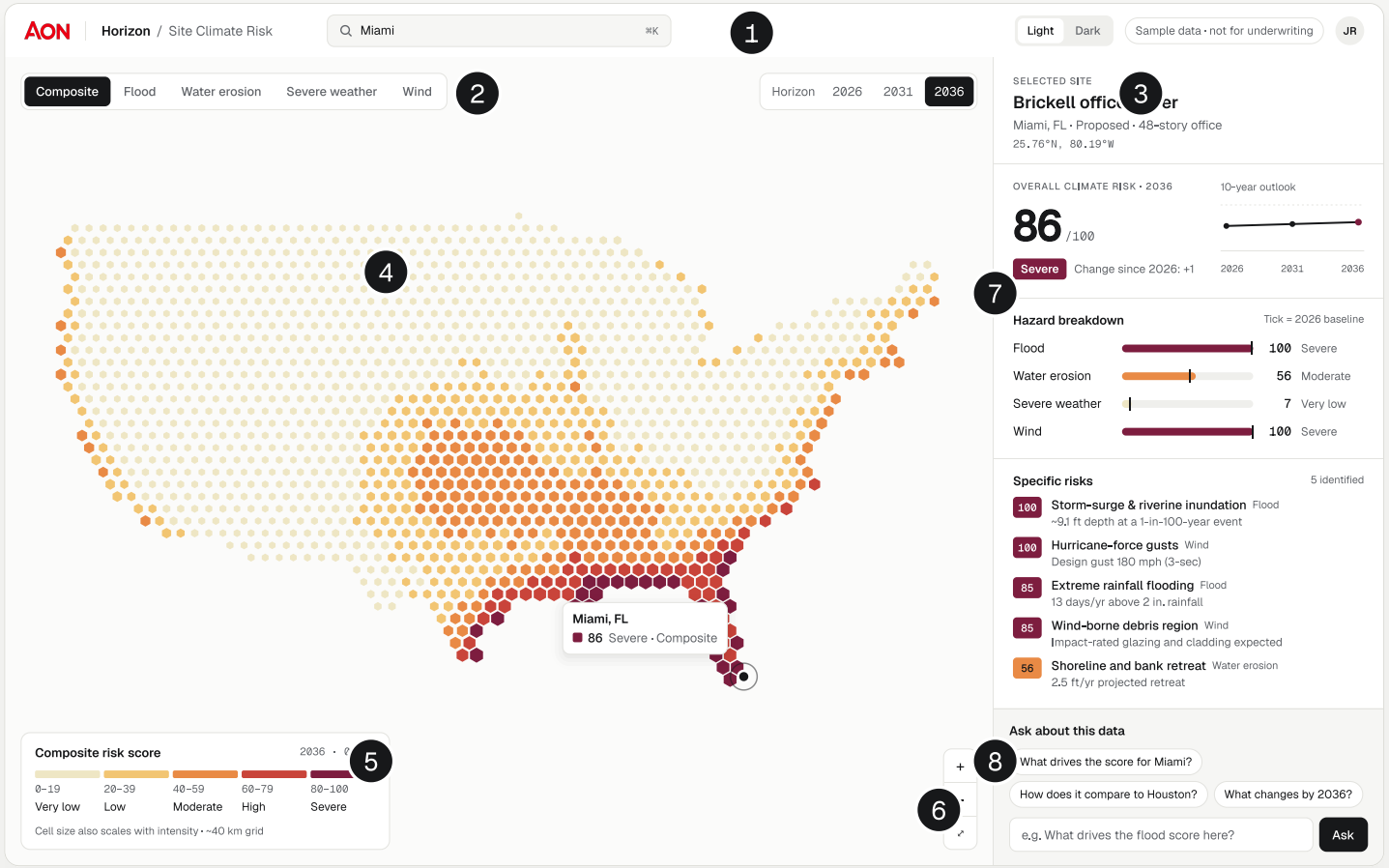
Brickell office tower, Miami · 2036



AON

Screen anatomy

1. Header and site search
2. Hazard layer switcher
3. Horizon switcher
4. US hex-grid heatmap
5. Legend
6. Zoom controls
7. Site panel · 408px
8. Help panel



AON

Risk scale

Five bins, colorblind-safe sequential palette, 0–100



0–19	20–39	40–59	60–79	80–100
Very low	**Low**	**Moderate**	**High**	**Severe**

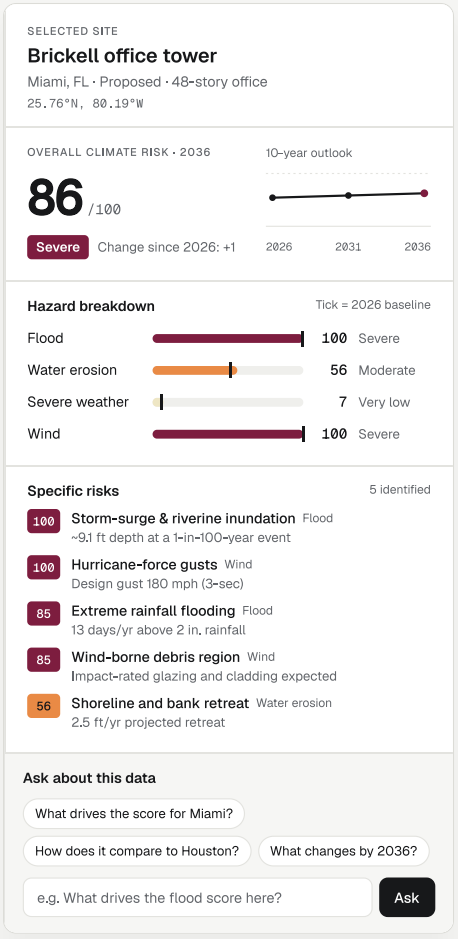


Cell color and cell size both encode intensity. Color always appears with a number or label.

AON

Site panel

Clicking the map drops a pin and loads the site. The panel moves from a single score to the specific risks behind it.



Selected site

Name, use and coordinates

Overall score

0–100 with label and 10-year trend

Hazard breakdown

Bars, scores and labels, with a 2026 baseline tick

Specific risks

Ranked, with metrics such as flood depth at a 1-in-100-year event

Help panel

Suggested questions change with the site

AON

Interaction flow

01

Search

Find a site or city. Results show their score.

02

Hover

A tooltip gives the cell’s score and label.

03

Click

A pin drops and the site panel loads.

04

Compare

Switch hazard layers and horizons: 2026, 2031, 2036.

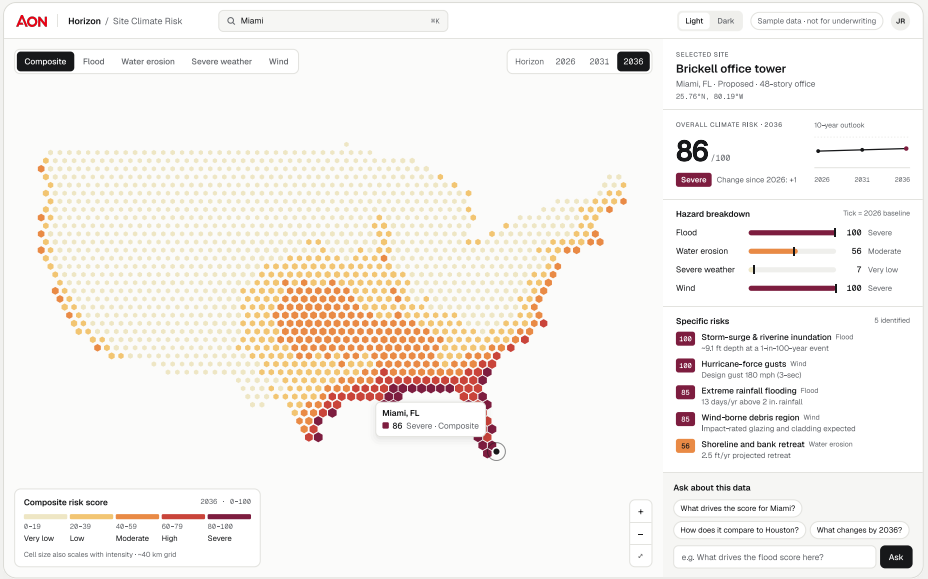
05

Ask

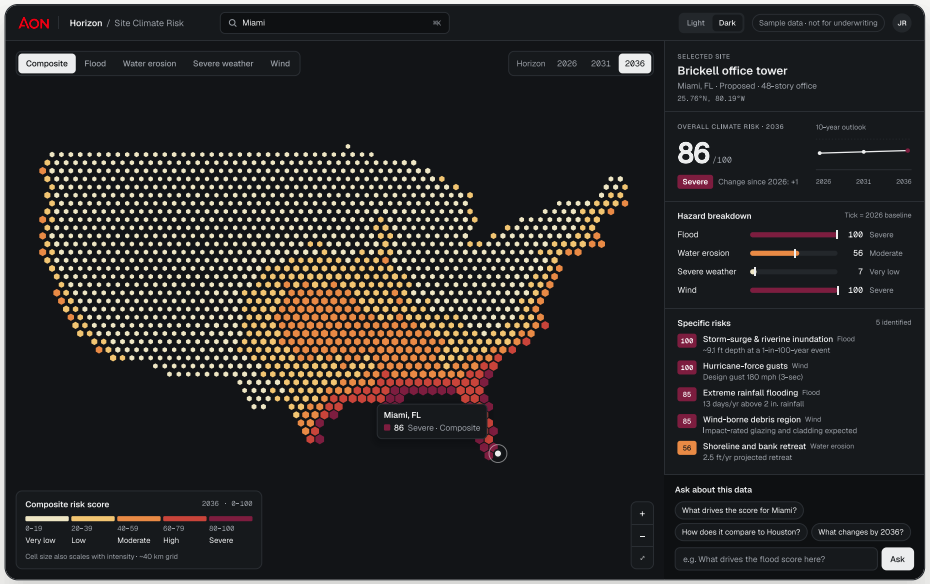
Pick a suggested question or type one.

Light and dark modes

Neutral chrome in both modes. The same risk palette carries the data.



Light



Dark

AON

Stakeholder response

Goal: win business buy-in. Stakeholders praised:

01

Ease of use

02

Clean, modern design

03

A single view of the data