

Assess property hazards & portfolio risk with a single, detailed report

Property Risk solutions from Athenium Analytics delivers actionable intelligence on structural risk, natural hazard risk and replacement costs for any U.S. property. It combines computer vision technology developed for the U.S. military with powerful risk analytics trusted today by top global insurance carriers. These property intelligence reports allow you to analyze and mitigate risk across your portfolio with a single solution.

- Analyze your property portfolio risk profile nationwide or locally
- Quantify replacement costs using local data
- Assess the true threat of storms & perils
- Incorporate risk scores into discounted cash flow (DCF) models
- Inform buy and sell strategies
- Generate accurate pricing & rating data

Submit your property portfolio, get actionable insights for each address

Structural risk attributes

Variables include: Replacement costs, year built, number of stories, building square footage, construction type, occupancy, roof footprint, roof condition, roof condition (sub data), roof type, roof material, solar panels, skylights, vegetative overhang, In-ground pools, above-ground pools, trampolines

Natural hazard risk scores

Perils include: Hail, straight-line wind, tornado, ice storm, winter storm, intense rainfall, river flood, flash flood, hurricane wind, hurricane surge, wildfire, earthquake



Address	Zip Code	Geolocation Latitude	Geolocation Longitude	Roof Footprint (Sq. Ft.)	Primary Roof Type	Primary Roof Material	Roof Condition	Year Built	Number of Stories	Building Sq Ft.	Replacement Costs	Construction Type	Hall History Count	Risk Score: Hall	Risk Score: Rainfall	Risk Score: Wind	Risk Score: Flash Flood	Risk Score: Tornado
2224 West Southern Ave	85282	33.39323976	-111.9718689	17156	flat	polymembrane	poor	1983	1	16401	\$966,674	CONCRETE	2	2	3	4	1.5	1
17777 West Westar Dr	85338	33.32581684	-112.432095	12193	flat	polymembrane	fair	2003	1	75779	\$12,774,389	CONCRETE	2	1	3	4	1.1	1
1750 West Roller Coaster	85704	32.30188964	-111.0026195	32202	gable	shingle	fair	1987	1	86209	\$13,728,463	STEEL FRAME	2	2	4	4	0.5	1
1955 Assunta Way	95124	37.27157028	-121.9280582	3348	hip	shingle	good	1958	1	1947	\$169,292	WOOD FRAME	0	1	3	1	2.9	1
1503 Alta Glen Dr	95125	37.29550146	-121.9096159	1166	gable	shingle	good	1981	3	2462	\$197,723	WOOD FRAME	0	1	3	1	2	1

How does the property risk solution work?

This service leverages proprietary **AI-based risk modeling** and **aerial imagery analytics** cross-checked with reliable property and structural data to generate clear and actionable risk intelligence. Machine learning algorithms analyze each address, generating a list of key risk attributes to help you assess exposures across your portfolio.

Delivery

Simply send us your property portfolio and you'll receive back a detailed list of risk scores and attributes for each address. The reports are delivered via a flat file, allowing you to easily review or upload to the platform of your choice for further analysis. **API delivery may be possible for high-volume clients.**

