S&P Global
Energy

Green Swan 2026: Navigating climate risks amid uncertainties

Session 1: Assessing physical climate risks and their effects

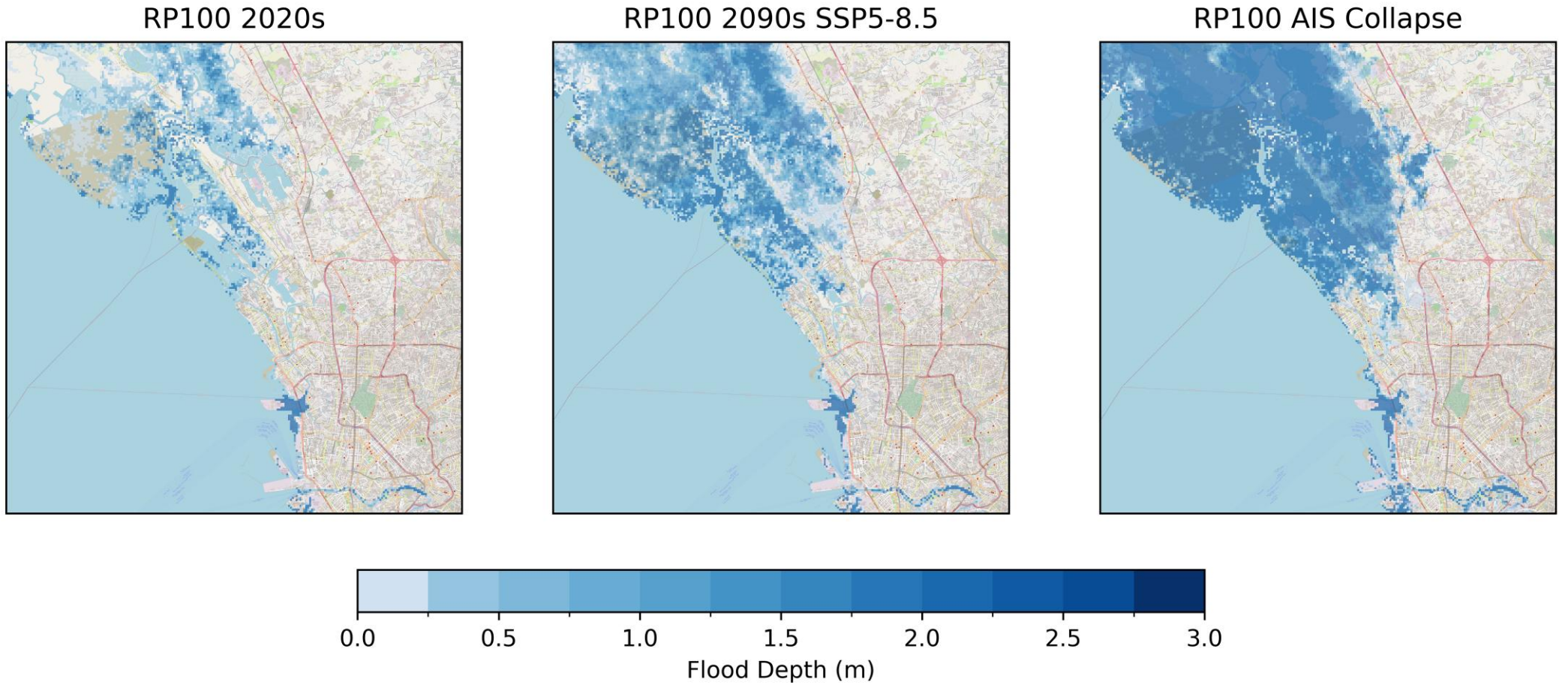
Rick Lord
Global Head of Sustainability Research



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Tipping-Point ‘What If’ Scenarios: Antarctic Ice Shelf Collapse

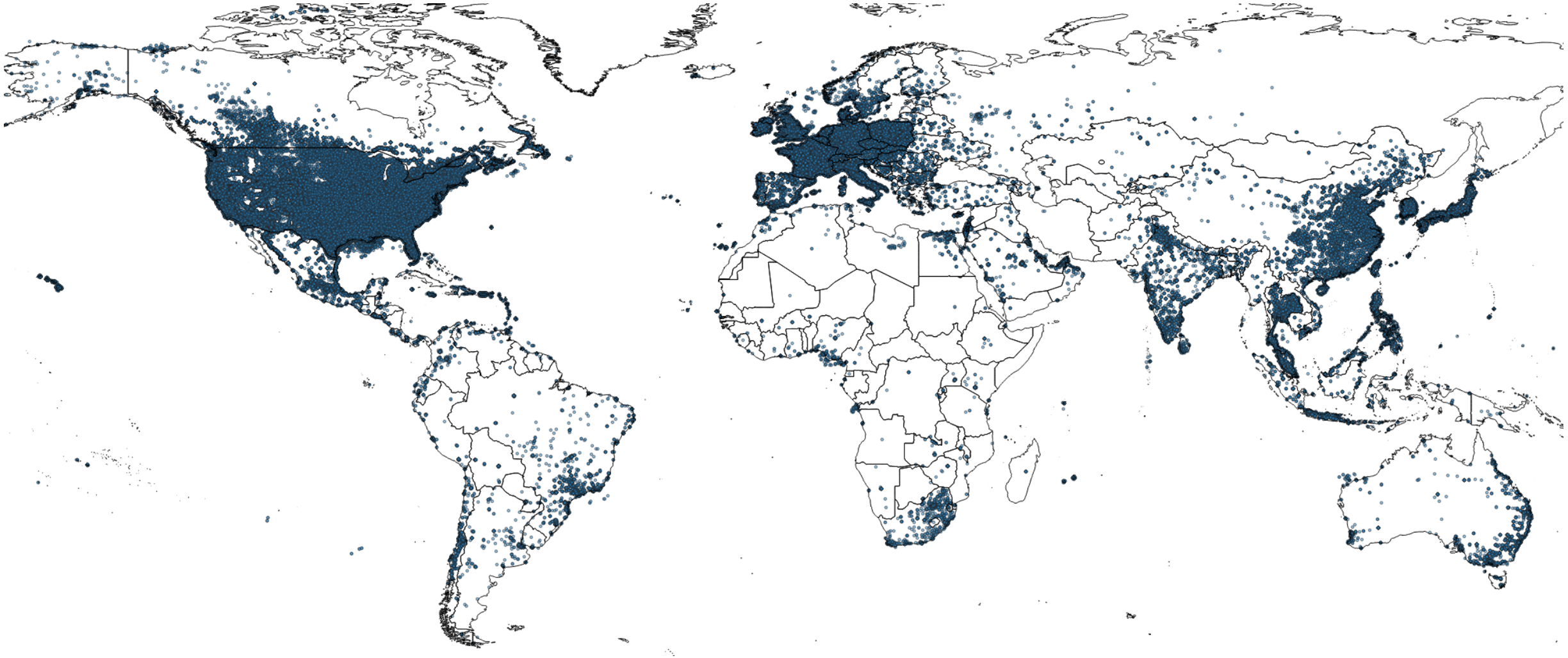
100-year return period flood depth projections for Manilla, The Philippines



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Geospatial Intelligence: Tracking Corporate Assets and Operations

Global assets and operations of S&P500 companies



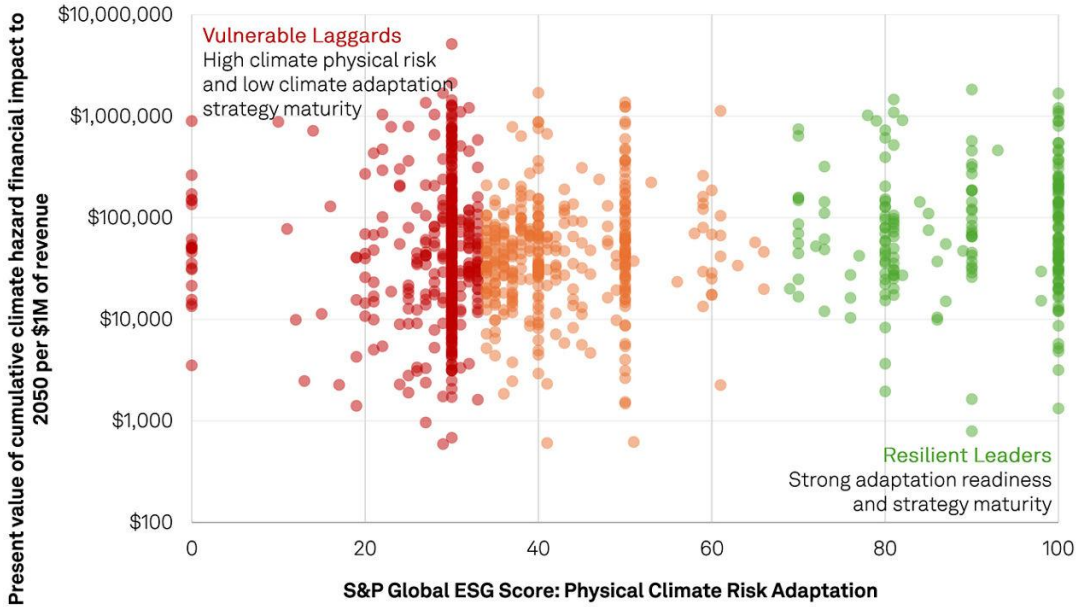
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Benchmarking Resilience Capacity and A&R Investment

Differentiate resilience capacity & readiness: How well are companies prepared to respond to physical climate risks?

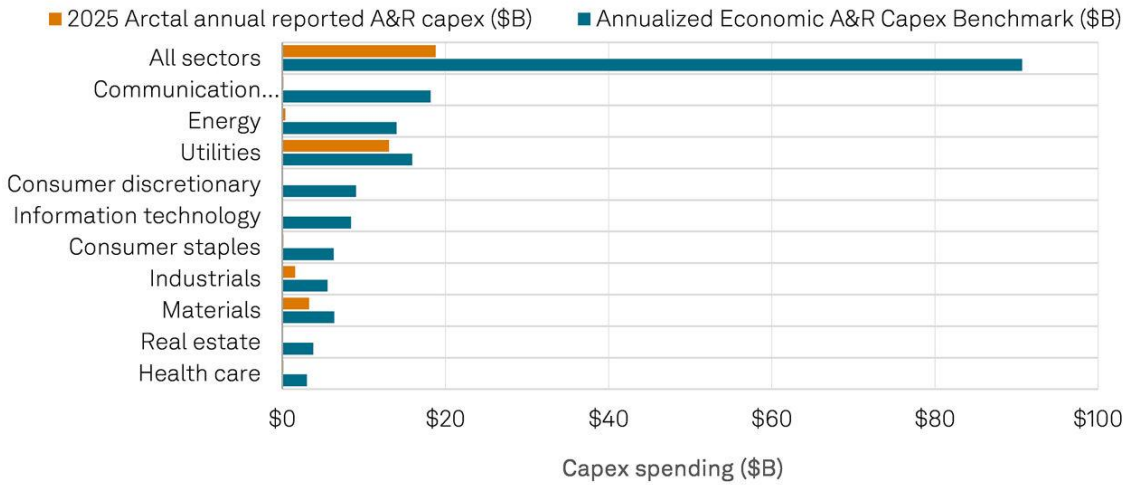
S&P Global 1200 constituent companies by cumulative present value of climate physical hazard financial impact to 2050 per $1M of revenue under the SSP2-4.5 climate change scenario versus S&P Global ESG Score for the Climate Physical Risk Adaptation criterion



As of Sept. 16, 2026.
The analysis applies the S&P Global Energy Horizons Sustainable1 Climate Physical Risk dataset to companies in the S&P 1200 index to identify projected annual financial impact from climate physical risks in the 2050s (2050-2059) under a medium climate change scenario (SSP2-4.5) without adaptation measures.
Source: S&P Global Energy.
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Capture Value: Identifying sector-specific opportunities to finance adaptation and resilince capex

Reported A&R capex in 2025 versus annualized positive-ROI investment benchmark, S&P Global 1200 constituents



As of Sept. 16, 2026.

A&R capex includes the following categories: Waste / Circular Economy, Sustainable Water & Wastewater Management, Nature-Based Solutions, Biodiversity, and Climate Adaptation and Resilience. The Sustainable1 capex benchmark identifies the minimum annual climate-adaptation investment expected to yield a positive return. It factors in avoided hazard damages, operational costs, and project delivery risk.
Source: S&P Global Energy.
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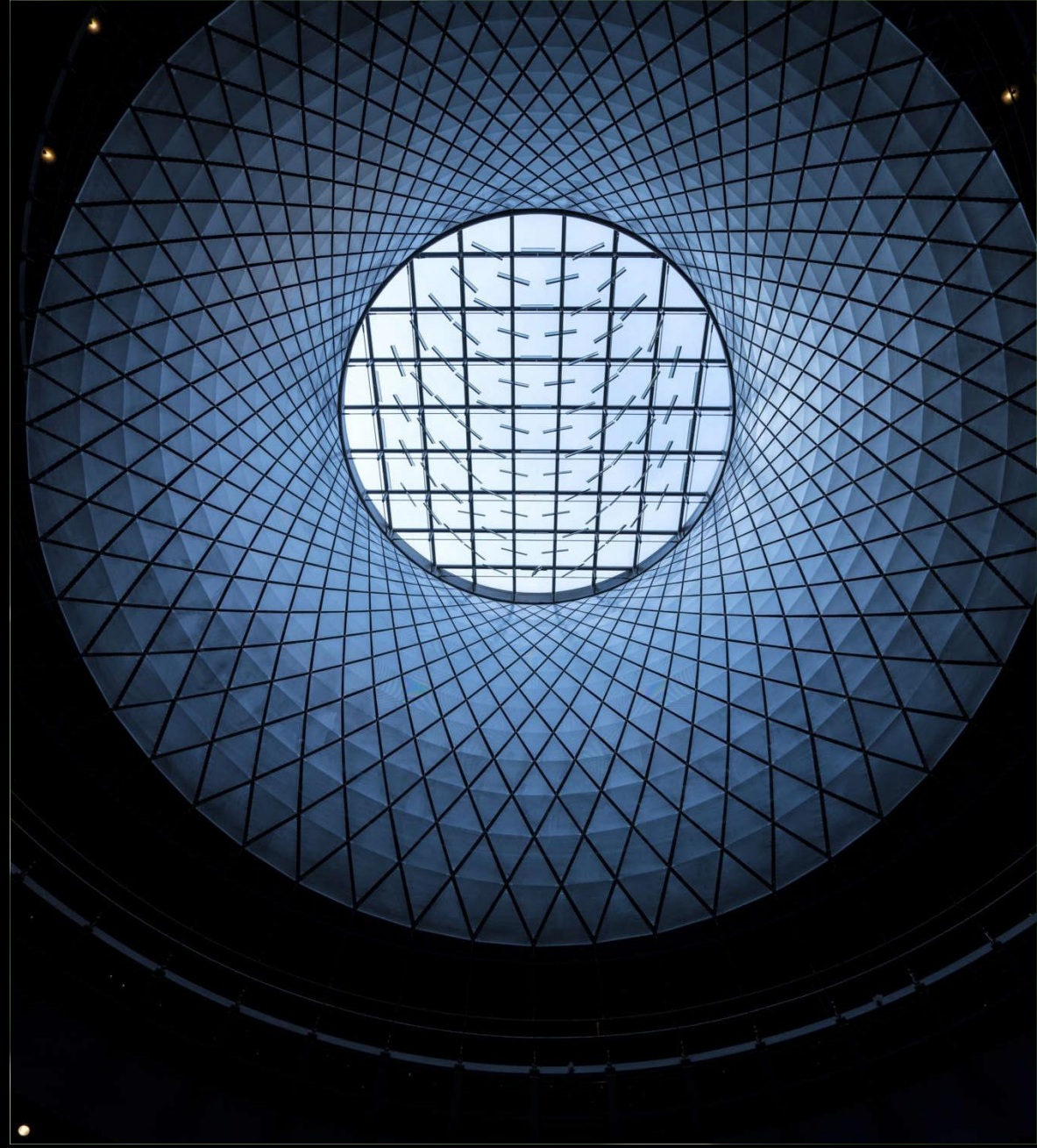
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