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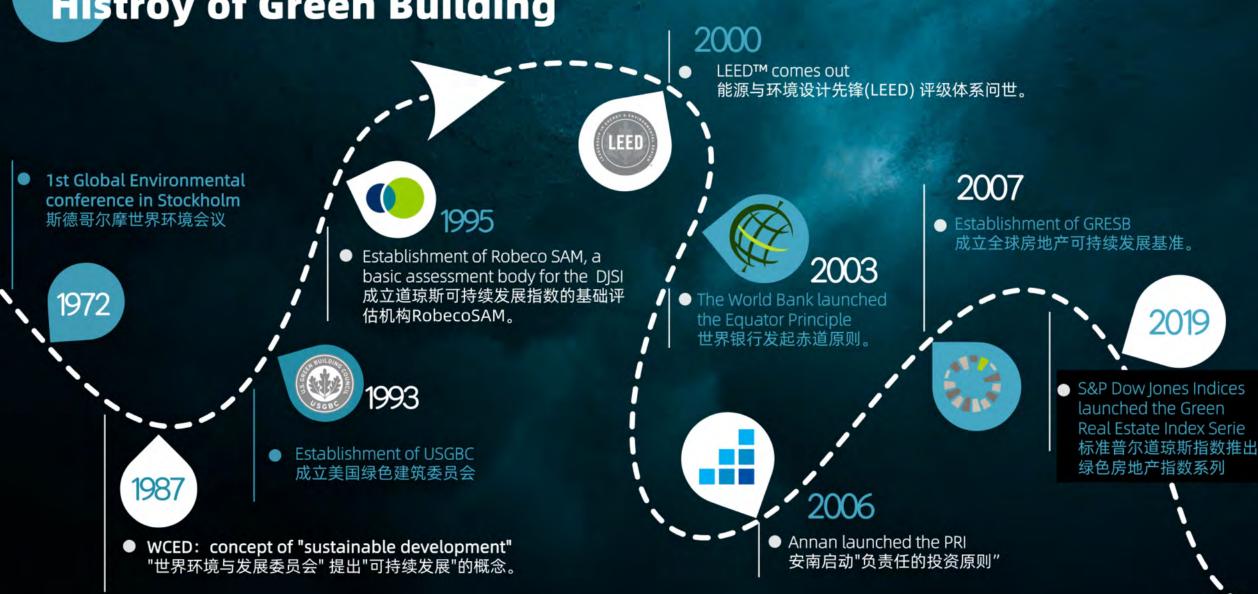


让我们这一代每个人体验绿色建筑

GREEN BUILDINGS FOR EVERYONE WITHIN THIS GENERATION



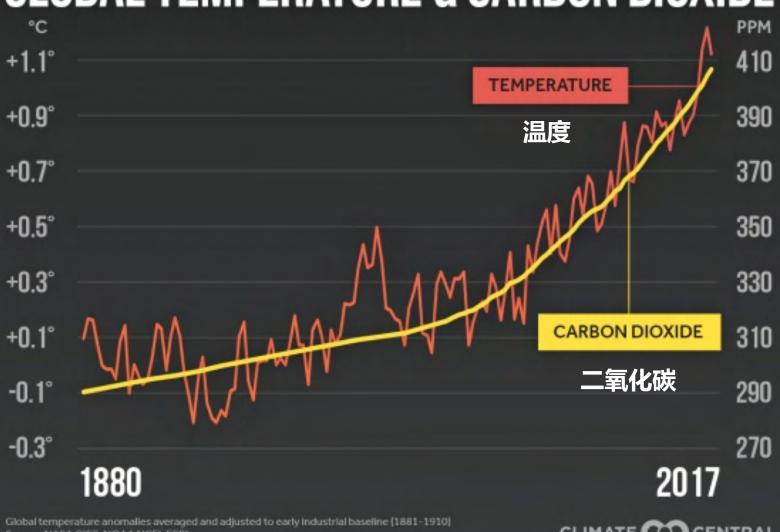
Histroy of Green Building





全球温度和二氧化碳上升趋势图

GLOBAL TEMPERATURE & CARBON DIOXIDE



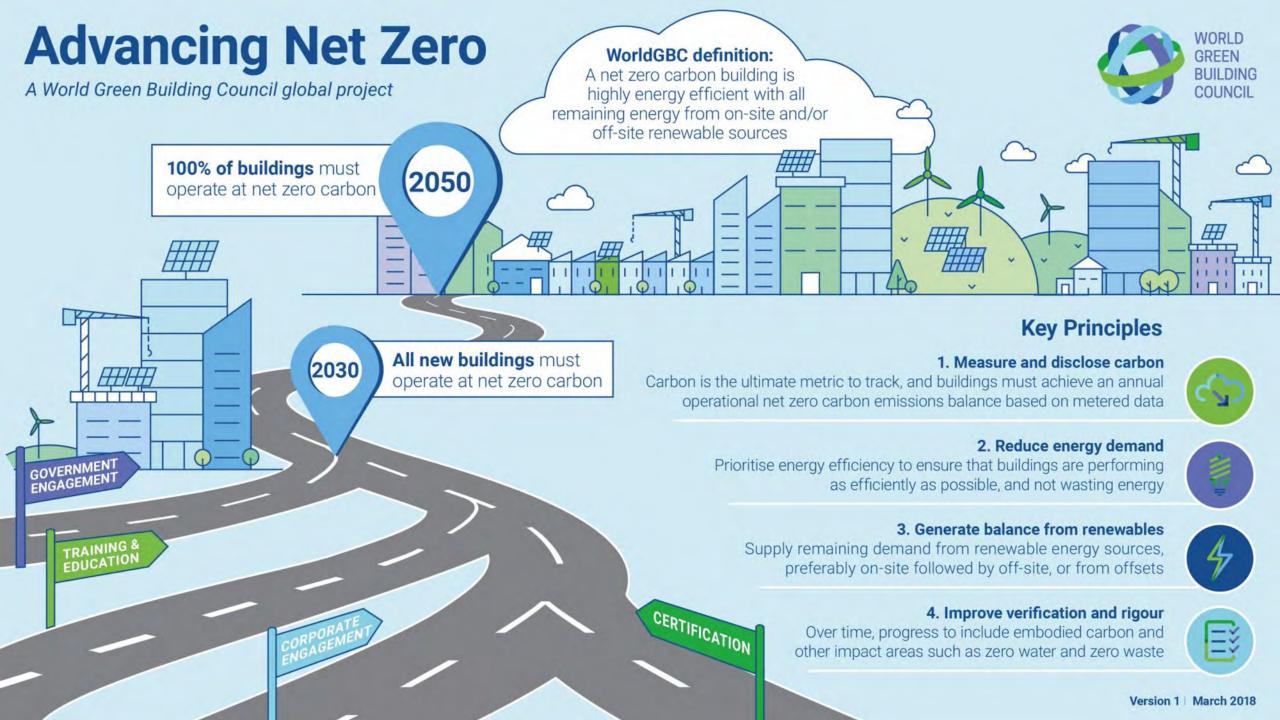
Source: NASA GISS, NOAA NCEL ESRL





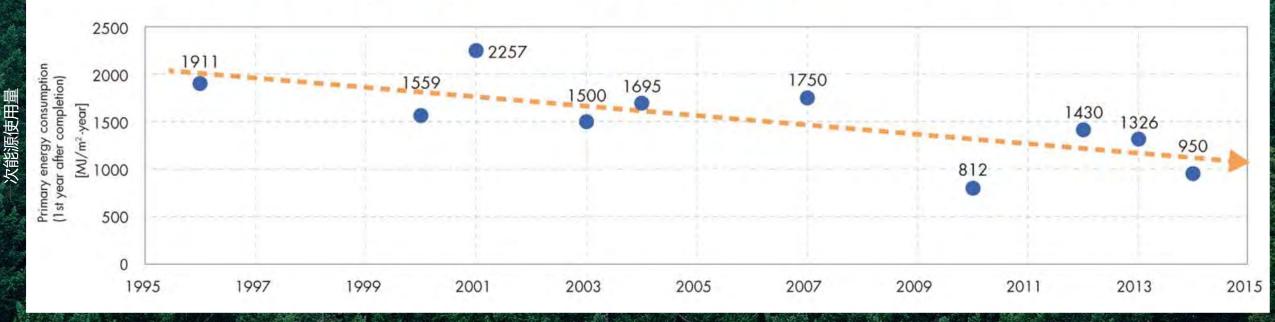


#AdvancingNetZero @WorldGBC

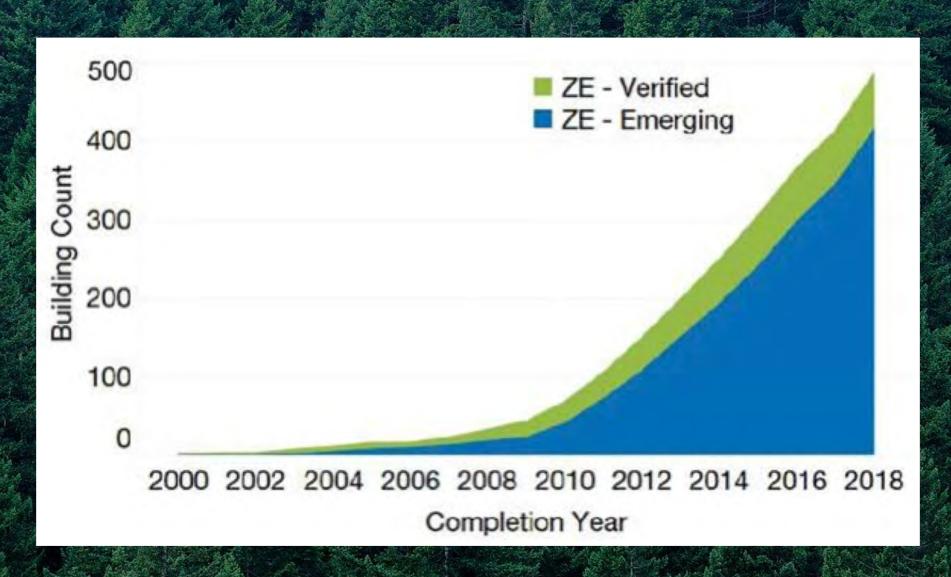




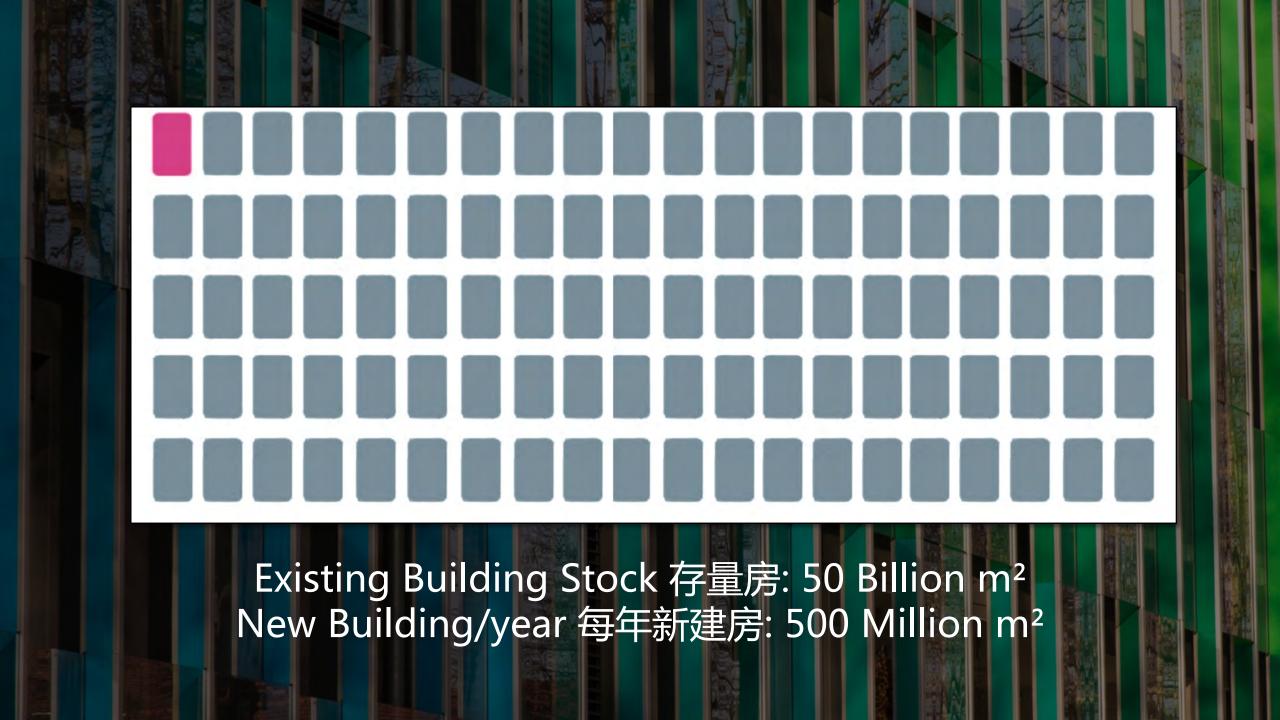
Covers environmental performance (primary energy consumption, CO₂ emissions, CASBEE, LEED), environmental methods, and methods for validating their performance



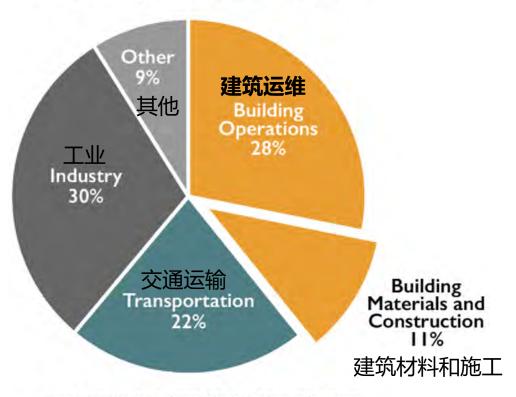
Zero Energy Building Growth 零能耗建筑的增长趋势图

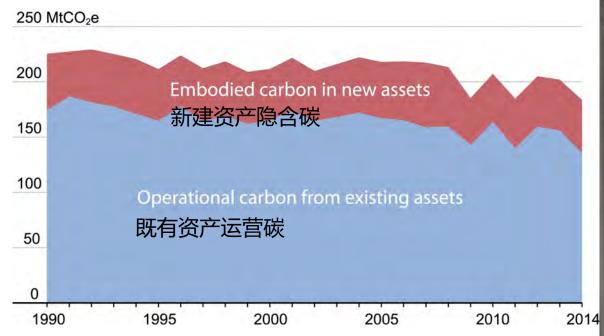






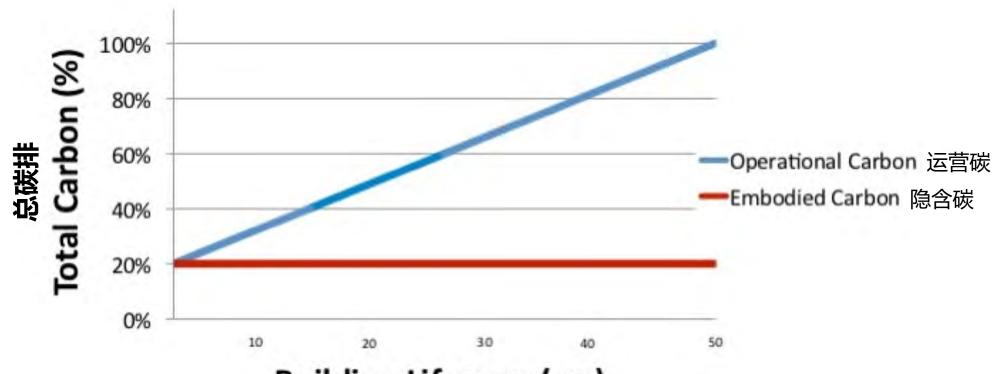
全球二氧化碳排放源 Global CO₂ Emissions by Sector





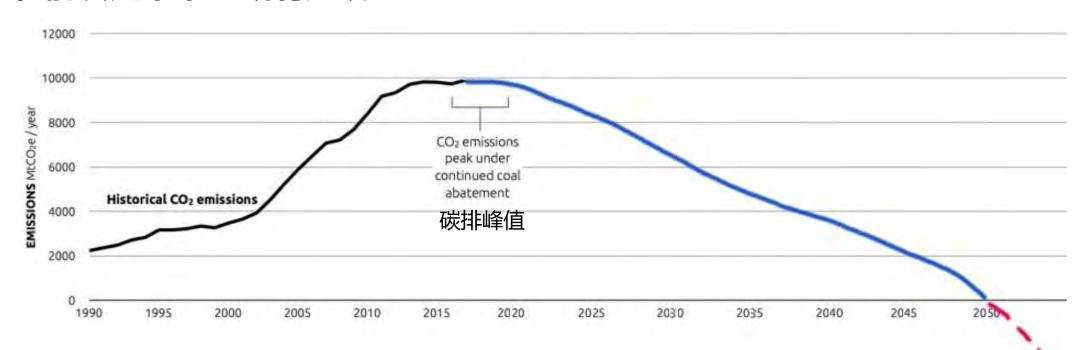
Source: © 2018 2030, Inc. / Architecture 2030. All Rights Reserved. Data Sources: UN Environment Global Status Report 2017; EIA International Energy Outlook 2017

Today's Carbon Trend 当今碳排趋势



Building Lifespan (yrs) 建筑生命周期

Performance is the Future – Existing Building 性能决定未来 – 既有建筑







金茂的LEED演变史





2013年 LEED EB v2009<u>金</u>级 得分:69分



2019年 LEED O+M v4.1铂金级 得分:84分



Takeaway – 3

3

By 2030, cities will account for 73 percent of world energy use. In most cities, buildings account for more than half of this consumption.

到2030年,城市将占世界能源 消耗的73%,在大多数城市,建 筑将占超过一半的能源消耗。 75 percent of the urban infrastructures that will exist in 2050 hasn't been built yet, presenting a huge opportunity to shape more resource-efficient cities.

2050年,75%的城市基础设施 尚未建成,这为塑造资源效率更 高的城市提供了巨大的机遇。 90 percent of the existing building stock in the world will be still be in use in 2050, so enhancing performance of exiting buildings is critical in reducing energy & water use and carbon emissions.

到2050年,世界上90%的既有建筑仍然在使用,因此,提高既有建筑的性能对于减少能源和水的使用以及碳排放至关重要。

