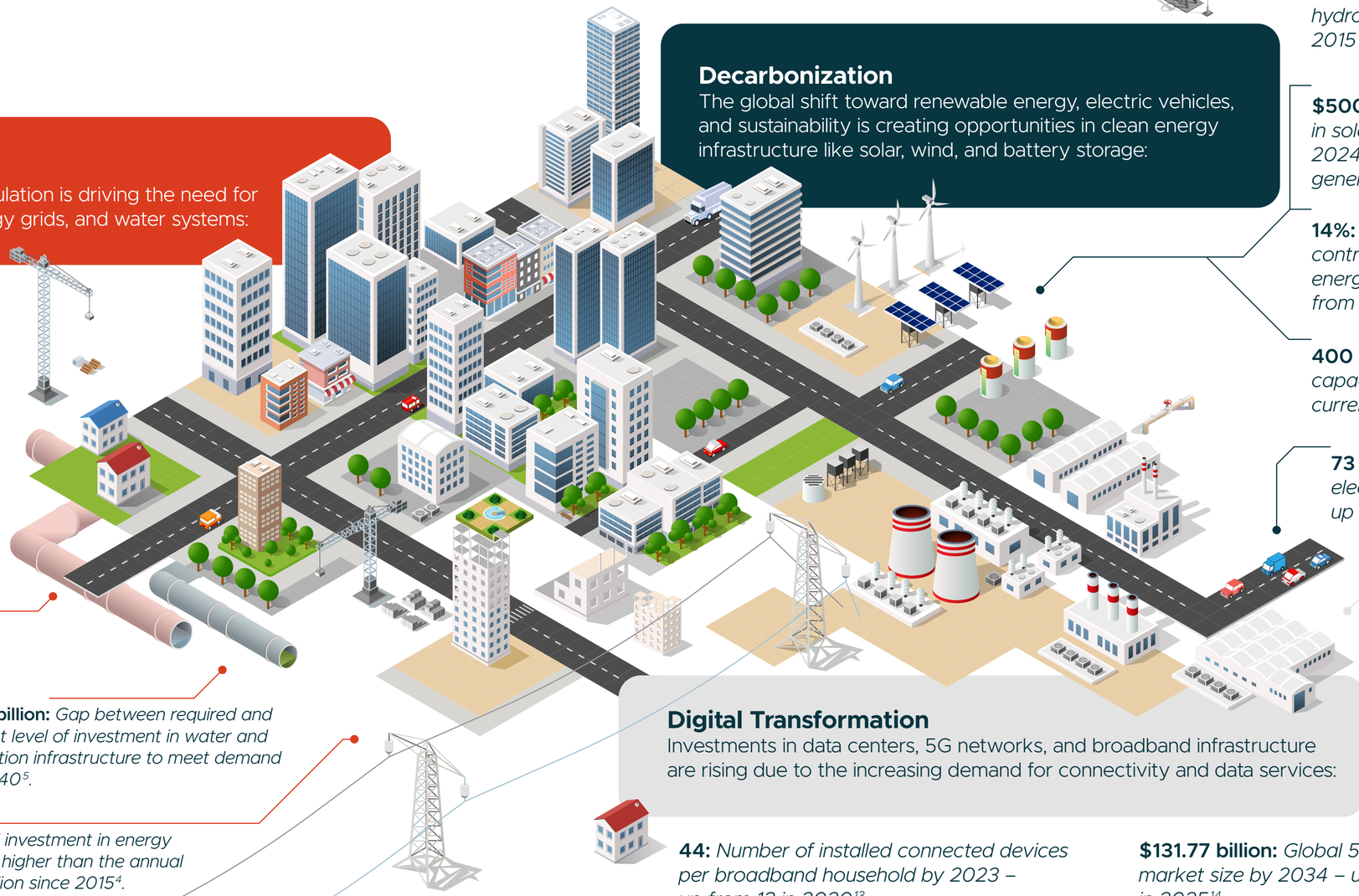
Infrastructure in numbers

alterDomus*

A confluence of global megatrends is increasing demand for infrastructure investment



Urbanization

The growing urban population is driving the need for modern transport, energy grids, and water systems:

8 billion: *The global population reached an all-time high of 8 billion in 2022 and is forecast to increase to 9.7 billion by 2050, driving up demand for infrastructure[1].*

$15 trillion: *The gap between current levels of infrastructure investment and the investment required to meet anticipated demand by 2040[2].*

7.2%: *Forecast compound annual growth rate of the transportation infrastructure, which will be worth $3.6 billion by 2031[3].*

$713 billion: *Gap between required and current level of investment in water and sanitation infrastructure to meet demand by 2040[5].*

$400 billion: *Global investment in energy grids in 2024 – 25% higher than the annual average of $300 billion since 2015[4].*

Decarbonization

The global shift toward renewable energy, electric vehicles, and sustainability is creating opportunities in clean energy infrastructure like solar, wind, and battery storage:

10:1: *Ratio of clean power investment to hydrocarbon investment in 2024. In 2015 the ratio was 2:1[6].*

$500 billion: *Power sector investment in solar photovoltaic (PV) technology in 2024 – more than all other power generation combined[7].*

14%: *Forecast wind power contribution to overall renewable energy electricity generation – up from 8% in 2023[8].*

400 GWh: *New battery storage capacity by 2030 – ten times current levels[9].*

73 million: *Annual passenger electric vehicle sales in 2040 – up from 30 million in 2027[10].*

Digital Transformation

Investments in data centers, 5G networks, and broadband infrastructure are rising due to the increasing demand for connectivity and data services:

22%: *Compound annual growth rate for data center demand, which will reach 219GW by 2030[11].*

$73 billion: *Value of data center M&A in 2024 – an all-time high[12].*

44: *Number of installed connected devices per broadband household by 2023 – up from 13 in 2020[13].*

$131.77 billion: *Global 5G infrastructure market size by 2034 – up from $20.55 billion in 2025[14].*

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Footnotes:

1 https://www.un.org/en/global-issues/population.
2 https://outlook.gihub.org/
3 https://www.alliedmarketresearch.com/transportation-infrastructure-market
4 https://www.iea.org/reports/world-energy-investment-2024/overview-and-key-findings.
5 https://outlook.gihub.org/
6 https://www.iea.org/reports/world-energy-investment-2024/overview-and-key-findings.
7 https://www.iea.org/reports/world-energy-investment-2024/overview-and-key-findings
8 https://www.iea.org/energy-system/renewables/wind.
9 https://www.rystadenergy.com/news/new-battery-storage-capacity-to-surpass-400-gwh-per-year-by-2030-10-times-current
10 https://about.bnef.com/blog/electric-vehicle-sales-headed-for-record-year-but-growth-slowdown-puts-climate-targets-at-risk-according-to-bloombergnef-report/.
11 https://www.blackrock.com/institutions/en-us/literature/whitepaper/2025-private-markets-outlook-stamped.pdf.
12 https://tinyurl.com/mrpfd66t.
13 https://worldbroadbandassociation.com/wp-content/uploads/2024/06/Next-generation-broadband-roadmap-2023-to-2030.pdf.
14 https://worldbroadbandassociation.com/wp-content/uploads/2024/06/Next-generation-broadband-roadmap-2023-to-2030.pdf.