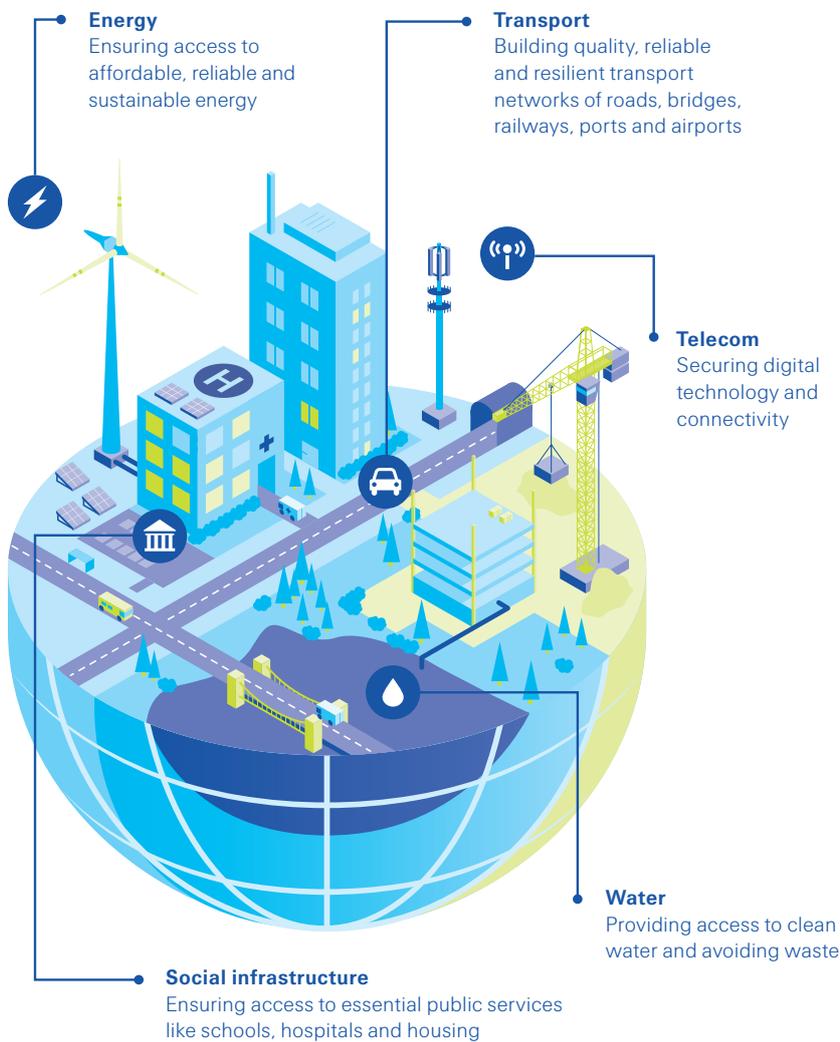


Infrastructure

The foundation of societal resilience

Infrastructure is key to long-term economic growth and resilient societies. It helps improve people's quality of life and reduces inequalities by supporting connectivity and fostering change for the better. But infrastructure projects are costly and must consider economic, environmental and social impacts to make a positive impact. How can we meet the challenge and ensure that our infrastructure stands on a sustainable footing?

Constructing a sustainable future in key infrastructure sectors to improve life quality and reduce inequalities through increased connectivity



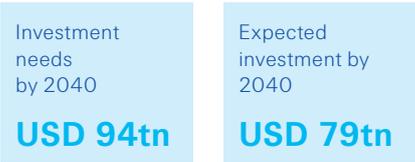
Annual global investment need by 2040 (in USD)	Total infrastructure	Energy	Water	Transport	Telecom
	4.6tn	1.4tn	0.3tn	2.5tn	0.4tn

Source: <https://outlook.gihub.org/>

Challenge 1: Infrastructure funding gap

The public sector alone cannot finance the large infrastructure spending gap

- Macro trends**
- Population growth
 - Urbanisation
 - Growing energy demand
 - Need for more housing and infrastructure
 - Need for transportation systems



Funding gap USD 15tn

Need to increase infrastructure investment world wide by approximately **20%** per year. Additional investment needed for countries that have not met the Sustainable Development Goals (SDG) not included.

Challenge 2: Climate risk

Sustainable alternatives are key to reducing carbon emissions

- Low-carbon infrastructure**
- Railway
 - Urban public transport
 - Renewable energy (solar, wind, hydro)
 - Green buildings
 - Carbon capture

Significantly reduce the **11%*** of global carbon emissions from infrastructure building materials and construction

*<https://worldgbc.org/sites/default/files/2018%20GlobalABC%20Global%20Status%20Report.pdf>

How re/insurance drives sustainable infrastructure investments

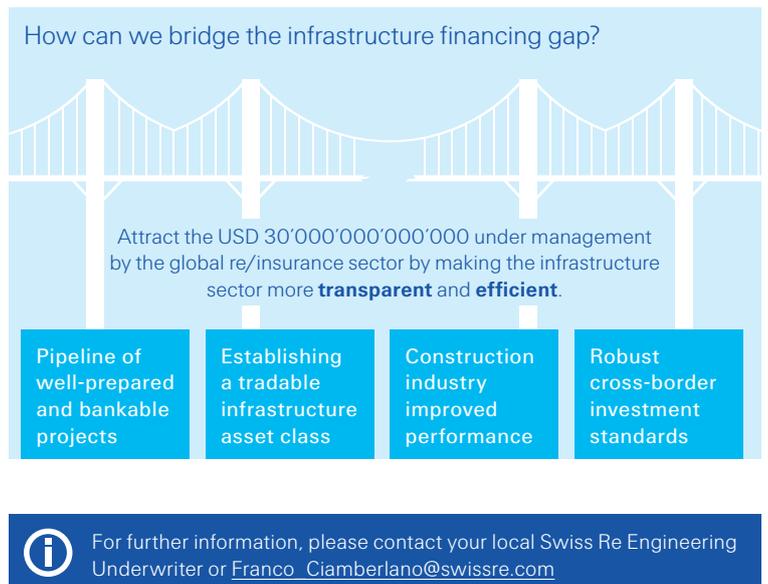
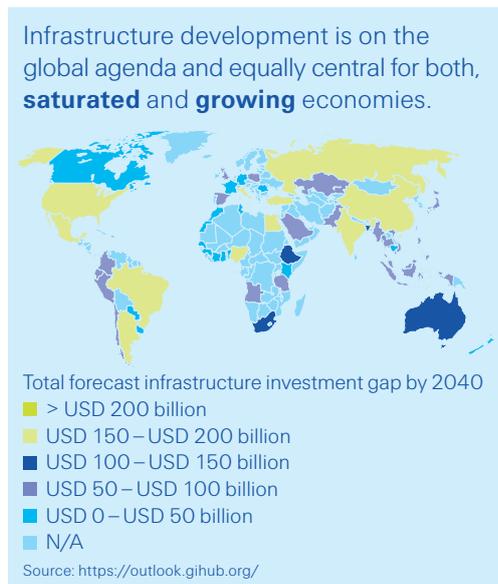
Our role as a risk taker

Infrastructure projects require huge upfront investments for design and construction as well as for ongoing operation and maintenance. They involve potential risks and financial liabilities throughout their project life cycle and along the entire value chain. As a risk taker, we offer solutions that mitigate the risks for investors and operators of infrastructure projects.



Our role as a long-term investor

Given the long-term nature of our liabilities, we are well suited to commit capital to sustainable infrastructure projects and finance them through our loan portfolio. However, a standardised and transparent infrastructure asset class would enable more investments and help address the infrastructure financing gap.



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