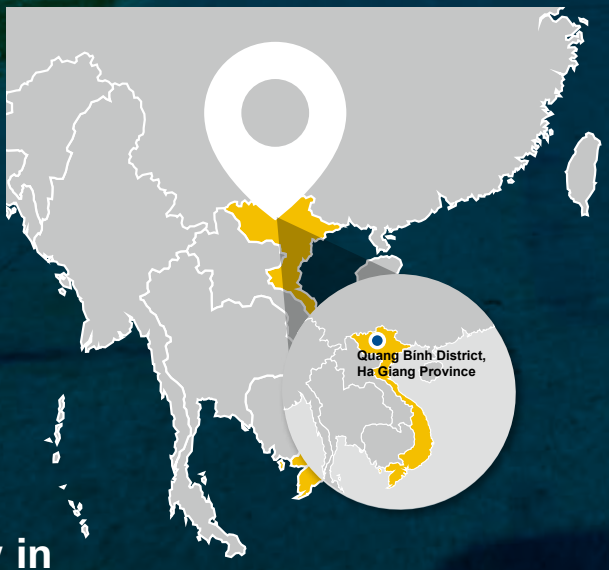
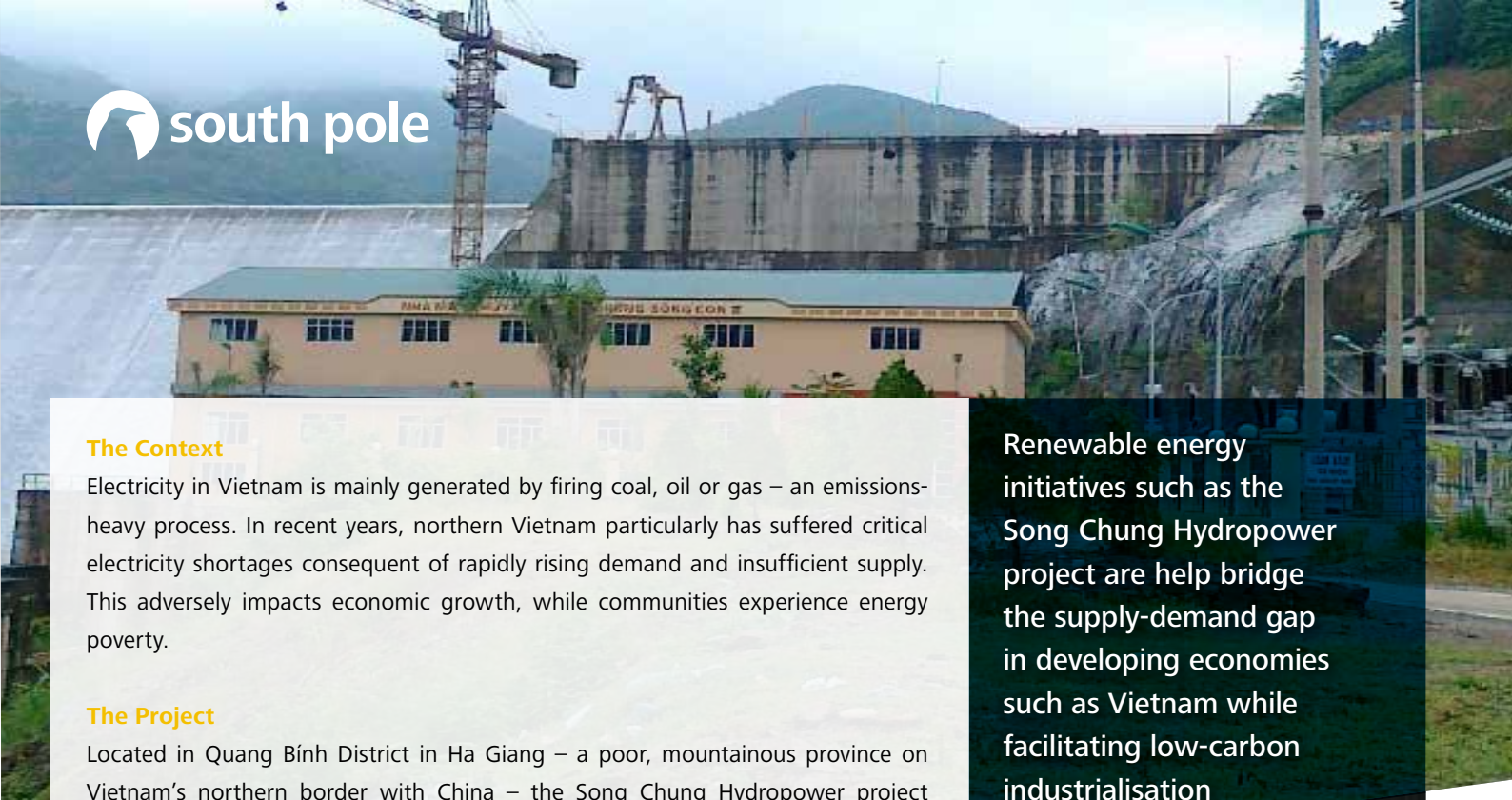
south pole

SONG CHUNG HYDROPOWER VIETNAM



A renewable solution for energy poverty in northern Vietnam

The Song Chung Hydropower project harnesses the flowing energy of the Con River to generate over 60,000 MWh of clean, renewable hydroelectricity each year, helping to bridge the supply-demand gap in Vietnam's north and boost the country's growing renewables sector.



The Context

Electricity in Vietnam is mainly generated by firing coal, oil or gas – an emissions-heavy process. In recent years, northern Vietnam particularly has suffered critical electricity shortages consequent of rapidly rising demand and insufficient supply. This adversely impacts economic growth, while communities experience energy poverty.

The Project

Located in Quang Bính District in Ha Giang – a poor, mountainous province on Vietnam's northern border with China – the Song Chung Hydropower project comprises a dam, canal intakes, penstocks, a powerhouse with three units, and discharge channels. The hydropower station converts the energy of the Con River's flowing water into clean electricity, which is supplied to the national grid along an 18 km, 110 kV transmission line. Metering systems are installed at the substation between the powerplant and the grid.

The Benefits

This project displaces fossil fuel fired power with renewable hydroelectricity, reducing emissions and balancing Vietnam's energy supply-demand gap. It also reduces the country's reliance on imported and exhaustible, polluting fossil fuels and accelerates the deployment of renewable energy technologies. This especially fosters low-carbon industrialisation and economic growth in Ha Giang province, with the project paying annual taxes of VND 7.18 billion. The local minority ethnicity communes of Yen Binh, Tien Nguyen and Tan Nam also benefit from potential employment opportunities and improved infrastructure – including upgraded roads and communication systems, electricity supply, and clean water.

Renewable energy initiatives such as the Song Chung Hydropower project are help bridge the supply-demand gap in developing economies such as Vietnam while facilitating low-carbon industrialisation

SUSTAINABLE DEVELOPMENT GOALS
17 GOALS TO TRANSFORM OUR WORLD

Gold Standard

62,786 MWh

of renewable hydroelectricity generated on average annually, bridging northern Vietnam's supply and demand gap and alleviating regional energy poverty

VND 7.18 billion

paid in taxes by the project to the Ha Giang province each year, accelerating regional economic growth

26,337 tCO_2e

reduced on average annually, by displacing fossil fuel fired power generation with clean hydroelectricity

For more information on the UN Sustainable Development Goals, please visit: http://www.un.org/sustainabledevelopment/sustainable-development-goals/

Official name: Song Chung Hydropower Project | **Markit link:** https://mer.markit.com/br-reg/public/project.jsp?project_id=103000000006279 | **Markit ID:** 103000000006279 | **GS ID:** GS 3014