

MINAS GERAIS/BRASIL SUCCESSFUL CASES

INDUSTRY

VALE S.A

Vale S.A., founded in 1942, stands out as a leading Brazilian multinational in the mining and metallurgy industries. Recognized as the world's largest miner in the production of iron ore, nickel, copper, manganese and bauxite, Vale also plays a significant role in the manufacturing of iron ore pellets, alumina and cobalt.

With operations spanning across 30 countries, the company focuses primarily on South America, North America, and Asia. In Brazil, Vale plays a pivotal role, responsible for more than half of the national iron ore production. Committed to sustainability, Vale implements an environmental management program aimed at minimizing the environmental impacts of its operations.

SOL DO CERRADO Project



Vale has now started up the Sol do Cerrado solar farm, one of the biggest solar energy facilities in Latin America, with installed capacity of 766 Megawatts-peak, equivalent to the power consumed by a city of 800.000 inhabitants.



Investing approximately R\$ 3 billion (US\$ 590 million), this project is crucial for Vale to achieve its climate goals, representing 16% of its energy production in Brazil and reducing emissions by 134.000 tons of CO₂ per year.



With 1.4 million solar panels across 17 subparks, the Sol do Cerrado project utilizes automatic tracking to optimize solar capture.



Construction began in January 2021, generating 3.000 jobs, with nearly 50% of workers being local and 16% being women. Once it reaches full capacity, it will have 90 permanent employees.



The project also includes a 15-kilometer transmission line with a voltage of 230.000 volts, connecting the Sol do Cerrado and Jaíba collector substations, from where the energy is transmitted to the National Interconnected System.



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For additional information, please [click here](#).

