

What is Cerro Dominador project?

Cerro Dominador project is a 210MW hybrid concentrated solar power (CSP) and photovoltaic (PV) power complex under construction on a 1,000ha-site, approximately 60km away from Calama at Maria Elena in the Atacama Desert, Chile. The Cerro Dominador project comprises a 100MW PV plant and an 110MW CSP plant. Image courtesy of Cerro Dominador.

What is Cerro Dominador concentrating solar power plant?

The Cerro Dominador concentrating solar power plant will have a thermal storage system similar to that installed in Solana. Cerro Dominador will have an installed capacity of 110MW. The concentrated solar power plant is expected to be operational by 2017.

What is the installed capacity of Cerro Dominador?

Cerro Dominador will have an installed capacity of 110MW. Cerro Dominador is a 110MW concentrated solar power plant (CSP) being developed by Abengoa. The plant is situated in the commune of María Elena, in the Antofagasta region, Atacama Desert, Chile.

How many solar panels does Cerro Dominador have?

The 100MW Cerro Dominador PV plant consists of 392,000 solar panels mounted on single-axis trackers on a 300ha-site. The PV plant commenced operation with 62MW of its installed capacity connected to the Chilean grid in August 2017. The plant achieved its full capacity in December 2017.

What is Cerro Dominador CSP?

The PV plant was commissioned in February 2018, while the Cerro Dominador CSP plant, the first solar thermal power project in Latin America, is expected to commence operation by the end of 2019. The solar power facility will offset 870,000 tonnes (t) of CO2 emissions a year.

Who supplied Auxiliary systems for Cerro Dominador project?

Doosan Skoda Power was contracted to supply two steam turbines for the project. It subcontracted Flenco Fluid System for the supply of auxiliary systems for the CSP plant of the Cerro Dominador project. Cerro Dominador project is a 210MW hybrid concentrated solar power (CSP) and photovoltaic (PV) power complex under construction in Chile.

Cerro Dominador owns the Cerro Dominador Solar complex, with 210 MW of capacity, combining a 100 MW photovoltaic plant, and the first solar thermal plant in Latin ...

The Cerro Dominador CSP plant has a 17.5 hour thermal storage capacity using molten salts and is capable of generating clean energy that can be managed 24 hours a day. The solar field covering 700 hectares has 10,600 heliostats that ...

The concentrated solar power plant Cerro Dominador. The European Union (EU), KfW Development Bank and KfW IPEX-Bank contribute a total of EUR 113 million towards the ...

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It is Cerro Dominador, the first concentrating solar thermal power plant in Latin America, inaugurated this afternoon by President Sebastián Piñera, the bi-Minister of Energy and Mining Juan Carlos Jobet, the Minister of the ...

With its 10,600 mirrors, known as heliostats, the Cerro Dominador solar power plant reflects solar radiation onto a thermal solar receiver atop a tower stretching 250 m into the sky. Hot, molten salts at temperatures of up to 560 °C circulate ...

The Chilean Solar Energy Programme, known as "Cerro Dominador", is one of the most innovative and successful projects funded by the European Union through its Latin America and ...

The great milestone of our work in 2021 was the successful start-up of the Cerro Dominador Concentrated Solar Power Plant in the municipality of Maria Elena, attended by the ...

The Technology Behind Cerro Dominador. The Cerro Dominador thermosolar plant is a unique combination of two cutting-edge technologies: a 100 MW photovoltaic (PV) system, which operates only when the sun shines, and ...

this type of plant. The construction will consist of three towers with 12-hour energy storage capacity. Best photovoltaic plant factor in the nation Cerro Dominador's photovoltaic ...

Cerro Dominador, a Chilean company owned by investment funds managed by EIG Global Energy Partners, has signed an agreement for financing of its Concentrated Solar ...

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The solar power plant Cerro Dominador in Chile (Photo by Ministra visita planta fotosolar Cerro Dominador; CC BY 2.0) Latin American power mix shifts from hydro to renewables. Currently, the Latin American electricity mix is ...

After the completion and synchronization of the ground-breaking Cerro Dominador solar power plant in 2021, the first CSP project in Latin America, this transaction marks ...

A general view of the Cerro Dominador Solar Power Plant is pictured in the commune of Maria Elena in the Antofagasta Region, Chile, July 1, 2019.

The Cerro Dominador project is the first combined solar thermal and photovoltaic system in Latin America that will contribute significantly to the mitigation of climate change, ...

The Cerro Dominador project [13] will see the construction and operation of a 110 MW concentrated solar power plant with storage in the northern Chilean region of Antofagasta, ...

The 110-MW Cerro Dominador concentrated solar power (CSP) plant in Chile has been successfully synchronised with the Chilean SEN grid system, the project company announced over the weekend.

The workers were exposed to a leak of high-temperature water while performing inspections of the power plant's equipment, Grupo Cerro, the company that owns the generation complex, said on Twitter.. Early on, the ...

Aerial view of Cerro Dominador, the first concentrated solar power plant in Latin America, in Antofagasta, Chile. The imposing 240-meter construction is one of the pillars of the ambitious Chilean green energy ...

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