

South Africa's First Concentrating Solar Power Tower

Source: inhabitat.com

Published: September 4, 2013



As [South Africa](#) works to generate 17,800 MW of renewable energy by 2030, Spanish firm [Abengoa](#) is installing two concentrating solar power plants in the Northern Cape that will contribute [150 MW of solar to the region](#). One of those plants, the [Khi Solar One](#), just reached a major milestone towards its completion as officials celebrated the installation of the concentrating solar power plant's (CSP's) 205-meter-tall superheated steam solar tower.

Constructed on a [600 hectare site](#) in the Northern Cape Province, near Upington, the 50 MW Khi Solar One plant, along with the 100 MW KaXu Solar One parabolic trough plant—also in the Northern Cape—have created roughly 1400 local construction jobs and 70 permanent operation jobs. In combination, the two plants will reduce carbon dioxide emissions by about 498,000 tons each year, of which the Khi Solar One plant will be responsible for 138,000 tons each year.

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