



Arabian Yemen Cement Company Leading Yemen's Cement Industry Toward a Solar Powered Future

The first cement plant in Yemen to operate on solar energy, with a capacity of 13.75 megawatts and a 5.7 megawatt-hour storage system” The Arabian Yemen Cement Company Limited - Hadramout Cement has inaugurated the largest solar power plant in the city of Mukalla, with a capacity of 13.75 megawatts.

This plant is not just a success story; it is a pioneering national model for investing in clean energy and addressing the challenges of rising electricity costs. The company invested approximately \$11 million in this project, achieving a near-zero carbon footprint.



Eng. Waheeb Al-Azab

Chief Executive Officer
(CEO)

Arabian Yemen Cement
Company Limited

What makes this plant stand out?

- **Large capacity:** 13.75 megawatts of clean energy.
- **First-of-its-kind technology:** Use of a smart solar tracking system that monitors the sun's movement to ensure maximum daily production.
- **Dual panels:** Installation of 22,000 bifacial panels that generate power from both sides.
- 5.7 MWH battery storage system.

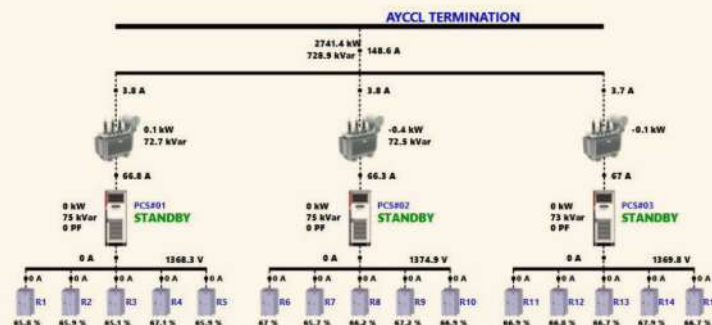
We expect this pioneering project to inspire the private and public sectors to shift toward renewable energy in Yemen.

Story of Success.

The Arabian Yemeni Cement Company (Hadramout Cement) has long strives to meet the needs of the local and regional markets amid rock and sweat the substance of construction.

Sometimes, you do not need buzzer to realize that something must be change; It was not a sound that alerted. It was number rising consumption of fossil fuels as a single source. More importantly, the company is actively striving for zero-scope emissions from its energy consumption. 34,027,633 KWh clean & green energy production and saving of 21,439 tons CO₂ per annum leading a positive environmental change in the surrounding region.





The decision was not a reaction but a conscious response to an inevitable transformation AYCC turned to alternative energy sources available in Yemen. Among the option of renewable energy solar power chosen. The idea was not born from any other source but within the factory itself a group of visionary engineers drawn the plan and a specialized partner (REON from Pakistan) led execution.

Cement factories have unique demands of heavy electrical loads, technical risks and need to maintain the safety of complex power system.

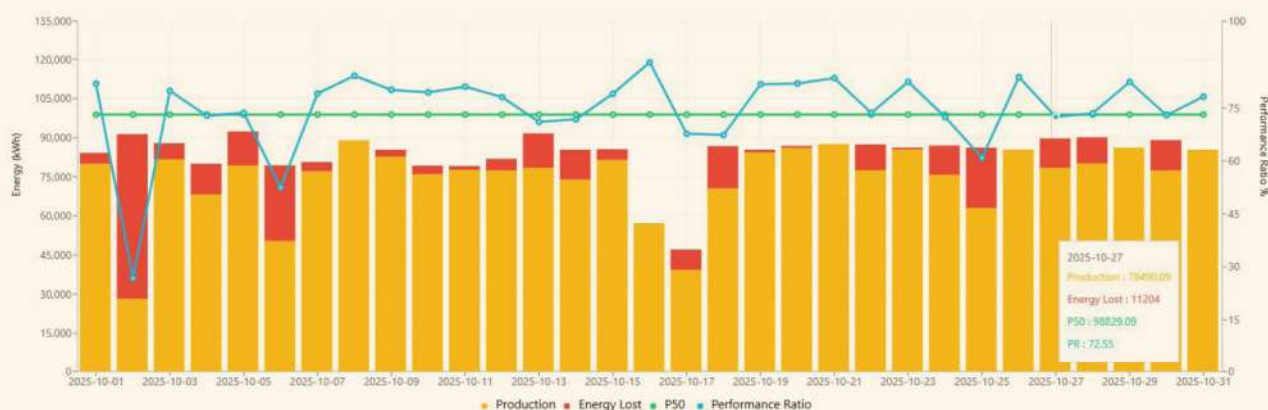
We searched extensively for qualified companies but the solar energy field is still new to the world after a long search, we found a partner in Pakistan.

We conducted our own technical studies not because that we distrusted others but because we believed more in our own capabilities, our engineering team understood the intricacies of our factory better than any outsider did. When we compared our analyses with those submitted by external firms, we realized we had surpassed them in many aspects. We signed a contract to build a solar power station with a capacity of 13 megawatts at a cost of around 11 million dollars. This project will significantly reduce the cost of energy and cement production and more importantly, its environmental impact will be profound. Solar energy emits nearly zero carbon emissions bringing a positive change to the region around us.

Performance Chart

Production vs P50 vs P50 v PR

Daily Last 30 days 2025-10-01 - 2025-10-31





Systematically the panels rose like leaves reaching for the sun 22,000 solar panels, 13 megawatts of light and an electronic control center beating like a new heart within this mighty structure. The panels we used are bifacial, meaning they absorb sunlight from both sides increasing energy output by 10 to 15% compared to standard panels. Moreover, our system features solar tracking technology unlike traditional fixed installations. It follows the sun's path from sunrise to sunset adjusting its angle to capture maximum sunlight throughout the day. This is the first system of its kind in Yemen.