

Cement Plants

By *Michal*

Created **2010-04-01 18:17**

Green Energy Generation at Cement Plants

Ormat's Recovered Energy Generation (REG) solutions complement cement plant operations and generate cost-effective electricity from unused waste heat. Even in optimized cement plants, some heat is lost, either from exhaust gases, clinker coolers or both. Ormat's REG solutions capture the residual heat and use it to generate clean, efficient electricity with no additional fuel.

The [ORMAT@ENERGY CONVERTER \(OEC\)](#) ^[1], a field-proven power generation unit that converts heat into electrical energy, is custom designed to optimally leverage the specific conditions of a specific heat source. Since the power produced from the waste heat of the cement production process is dependent on heat stream and site conditions, this capability is critical.

[For ORMAT added values click here](#) ^[2]

Featured Customers

A.P. Cement Works, Tadipatri, India

This single Heat Recovery System consists of a closed thermal oil loop and a 4.8 MW OEC. The Ormat Recovered Energy Generation (REG) solution requires no fuel, providing a cost efficient solution. The plant is the first of its kind in India and the second globally to use this application, which meets 10% of the plant's overall power requirements.

Heidelberg Zement AG, Germany

Heidelberg Zement AG's operation uses a Heat Recovery System containing a closed thermal oil loop and a 1.5 MW OEC. The OEC power plant was ordered by Heidelberg Zement AG from Ormat on a turn-key basis.

[Solutions](#) ^[3]

Copyright © 2012 Ormat. All Rights Reserved.

- ° [Site Map](#)
- ° [Terms of Use](#)
- ° [Careers](#)
- ° [Geothermal Power](#)
- ° [Organic Rankine Cycle](#)

Source URL: <http://www.ormat.com/cement-plants>

Links:

[1] <http://www.ormat.com/oec>

[2] <http://www.ormat.com/ormat-added-value-recovered-energy>

[3] <http://www.ormat.com/solutions>