

# How It Works

By **admin**

Created **2010-01-18 15:54**

## How It Works

All [ORMAT®ENERGY CONVERTER \(OEC\)](#)<sup>[1]</sup>

, units are self-contained, fully automatic and produce grid compatible power. The OEC is based on the Rankine Power Cycle but uses organic working fluid which has the advantage of being more efficient than steam when operating on low-to-moderate temperature heat sources. The working fluid is selected to optimize the power output from the particular heat source, temperature and flow. Under production conditions, the working fluid is vaporized by heat of the stream flowing through the vaporizer and pre-heater. The vapor expands as it passes through the organic vapor turbine, which is coupled to the generator. The exhaust vapor is subsequently condensed in a water or air-cooled condenser and is recycled to the vaporizer by the motive fluid cycle pump.

-1



[Technology](#) <sup>[2]</sup>

Copyright © 2012 Ormat. All Rights Reserved.

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

---

Source URL: <http://www.ormat.com/air-cooling>

### Links:

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

[2] <http://www.ormat.com/technology>