

## CleanPower Turbinator to French EDF

CleanPower has been contracted by the French global energy company EDF for delivery of a Turbinator that will produce electricity from an eco-flow release on the Raviège dam in the Tarn department in South-West France.

Kristiansand, 26<sup>th</sup> June 2017

The EU Renewable directive of 2008 set a binding objective of twenty percent renewable share by 2020. In parallel, the EU Water Framework directive has an objective to improve the environment for aquatic life in rivers used for hydropower production by increasing eco-flow releases from existing dams, reducing the production of renewable hydropower.



Photo: wikimedia.org

When implementing the Water Framework directive in 2014, France decided legislations requiring increased eco-flows in numerous river beds from existing dams. Many of these will now be exploitable for turbination, and on the Raviège dam, EDF has decided to install a Turbinator from CleanPower to harvest the energy from the new eco-flow release as part of their global engagement to favor non-carbon based energy production.

*- We have chosen the innovative solution from CleanPower because it reduces the footprint of the installation by a factor three compared to a conventional solution, simplifying the installation on the downstream side of the dam. The installation will give a production covering the annual consumption of a village with 1000 inhabitants, explains EDF Project Manager Yann Marcilloux.*

*- We are very pleased that a leading European energy company has chosen our technology. This is our first export project, which will contribute to opening doors towards an interesting market both in France and other European countries, where the CleanPower Turbinator will contribute to reducing the financial losses while moving towards the low emission society by exploiting optimally existing resources, says CleanPower General manager Egil Opsahl.*



### About EDF

EDF (Electricité de France) is a globally leading low carbon energy producer, covering the entire value chain from production to end user. The company has approximately 150 000 employees, annual sales 71 billion Euro. Annual energy production 585 TWh, whereof 88% without CO<sub>2</sub>.

[www.edf.fr/en/](http://www.edf.fr/en/)

<https://www.edf.fr/groupe-edf/nos-energies/energies-renouvelables/hydraulique/hydraulique-tarn>

### About CleanPower

CleanPower AS has developed a compact turbine with integrated permanent magnet generator for small hydro installations.

[www.turbinator.com](http://www.turbinator.com)

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