

PRESS RELEASE

Transokraft N1 | Profitec SN1 | Nuclear Power Generation | March 11, 2021

Page 1 of 2

AEG Power Solutions To Secure Power For Local Crisis Centers of 11 French Nuclear Power Plants

- Nuclear-grade Uninterruptible power supply solutions to be provided to 11 Local crisis Centers over the next 4 years
- AEG PS engineered the solution stretching battery autonomy to 4 hours
- System used are Transokraft N1 and Profitec S N1, both analog-technology based

The Netherlands, March 11, 2021 – AEG Power Solutions, a global provider of power supply systems and solutions for industrial, critical infrastructure and innovative power electronic applications announced its selection to deliver the power back-up for the Local Crisis Centers (CCL) of 11 nuclear power plants in France. Contract was signed with Valiance, a subsidiary of the Fayat group, focused on nuclear power applications, which has been granted the complete electrical and control systems package of the crisis centers.

Designed to withstand accident levels (earthquake, flood, tornadoes, etc.) of a great magnitude, the CCLs are built to enable the management of a facility independently and safely in any situation. The initiative derives directly from the additional safety assessment which concluded a large audit carried out by The French Nuclear Authority (ASN) and EDF after the Fukushima accident. The utility operator implemented a set of measures aimed at ensuring the sustainability of the French installed base of nuclear power plants by guaranteeing their integrity in any situation. The installation of local crisis centers is one of the important measures of this post-Fukushima era. EDF implemented a first center in Flamanville Nuclear Power Plant as a prototype. The final concept of the other CCL and the schedule of their implementation are a result of this first experience.

The centers are planned to be built in Belleville, Blayais, Bugey, Cattenom, Civaux, Chinon, Cruas, Dampierre, Gravelines, Saint-Laurent and Tricastin. Six others are planned as a second step to cover all existing plants.

Located outside the site, the CCL provides everything required for a comprehensive crisis management with independent telecom resources, a decontamination zone, water and electricity autonomy, air purification and life logistics. It can accommodate the team members of crisis management autonomously for three days.

Continuity of power supply in such situation is not an option. AEG Power Solutions is providing the power supply back-up of the sites with a solution combining [Profitec S N1 rectifier](#), [Transokraft N1](#)

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PRESS RELEASE

Page 2 of 2

[inverter](#) and VRLA batteries. Both systems are fully analog and class 1E certified. Beside the obvious requirements for seismic or flood resistance, which both systems are designed to meet, the main challenge was to provide a battery autonomy significantly expanded compared to standards. AEG PS team engineered a solution so that the charger could handle an increased battery capacity and grow up the autonomous supply up from the 70mn initially specified to the 4 hours finally required.

“We are very proud to contribute to the CCL projects. Our analog systems have proven track records in the field as our technology has been used in [nuclear power plants](#) around the world for about 50 years and AEG PS nuclear team has also a very sound experience in project management , explains Frédéric Perdigal, Area Sales Director”.

The first center to be equipped will be in Tricastin at the very beginning of 2022.

About AEG Power Solutions

AEG Power Solutions ensures continuous power availability and the safe operation of critical applications thanks to with a wide portfolio of power supply systems and services: AC and DC UPS, battery chargers, rectifier systems, service and maintenance on 24/7 basis, as well as fully customized UPS systems to customer specifications.

AEG Power Solutions has developed a distinctive expertise and world-class engineering capacities that bridge both AC and DC power technologies and span conventional and renewable energy platforms. AEG Power Solutions has decades of experience with UPS and power electronics, and grid integration, and is leveraging its conversion expertise to engineer and deliver solutions for energy storage applications.

AEG Power Solutions is the sole subsidiary of the holding company 3W Power.

For more information, visit www.aegps.com.

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