



COMMUNIQUE DE PRESSE

WORLD NUCLEAR EXHIBITION 2021

WNE dévoile les nominés aux WNE Awards 2021

Paris, le 10 novembre 2021 – WNE, plus grand salon mondial du nucléaire civil présidé par **Sylvie Bermann, ambassadeur de France et Présidente de WNE**, annonce la liste des 21 nominés, grands groupes et TPE/PME, qui ont été retenus pour les **WNE Awards 2021**.

Les 21 nominés ont été sélectionnés par quatre jurys composés des plus grands experts mondiaux de la filière du nucléaire civil dans quatre catégories : **Excellence opérationnelle, Management des connaissances et des compétences, Produits et services, Sûreté nucléaire**.

Cette édition 2021 des WNE Awards connaît un engouement exceptionnel : **137 projets de grande qualité** (41% TPE/PME, 59% grands groupes) **déposés par 84 entreprises exposantes** en provenance des principaux marchés de la filière du nucléaire civil (France, Russie, Grande-Bretagne, Allemagne, Etats-Unis, Canada...).

C'est la catégorie Produits et Services qui a recueilli le plus grand nombre de candidatures, **avec 55,5% de projets** devant les trois autres catégories (16% Excellence opérationnelle, 13,9% Management des connaissances et des compétences, 14,6% sûreté nucléaire).

Les jurys des WNE Awards 2021 :

4 jurys chargés de désigner les nominés pour chacune des catégories sont présidés par des experts internationaux de la filière du nucléaire civil :

- Véronica Garea, Présidente de la Fundación INVAP (*catégorie sûreté nucléaire*)
- Mary Alice Hayward, Directrice générale de Hayward Consulting (*catégorie management des connaissances et des compétences*)
- Patrick Landais, Haut-commissaire à l'énergie atomique du CEA (*catégorie produits et services*)
- Daniella Lulache, Chef du bureau de la politique et de la coordination de l'OCDE-AEN (*catégorie excellence opérationnelle*)

Nominés 2021 par catégories :

▪ CATÉGORIE EXCELLENCE OPÉRATIONNELLE

Grands groupes et ETI

DASSAULT SYSTÈMES, “3DEXPERIENCE - Plant Conformance and Quality”

The solution is a web-based collaborative platform, allowing inspection bodies, manufacturers and regulators to manage the following processes: data & document review, findings, audits and inspections. The solution has been adopted by ESPN Digital project to manage the conformity assessment of French Nuclear Pressurized Equipments.

EDF, “Stop Corrosion”

To stop corrosion of the alternator hollow bar, operators used to change the characteristics of cooling water from neutral to alkaline pH. However, it induces expensive component modifications. EDF developed a simple solution, avoiding modification: replace the original ion exchange resin by a new one able to change the pH of the water.

NORD LOCK GROUP, “HYDRAULIC CLOSURE SYSTEMS”

Hydraulic closure system is essentially a series of Hydraulic Nuts, a network of Hydraulic Hoses and Ancillaries, and an Air Driven Pump. It provides a temporary joint closure solution during maintenance outages – improving our customers’ operational performances.

TPE/PME

MONTEIRO, “CRYOCONTROL”

The CryoControl® is a fully comprehensive system managing the formation of ice plugs also known as pipefreezing in the industrial maintenance word. This system has been developed to take into account the specificity of the pipe receiving the freeze, the site and its level of safety while addressing the needs for quality control and traceability.

OAKRIDGE SAS, “NESTERS – Nuclear Ex-core inStrumentation sysTEM (Rpn) System App.”

NESTERS is a tailor-made app, based on a data-centric approach. It dramatically eases the management of the multi-year maintenance program of the RPN (nuclear ex-core instrumentation) system, by gathering and displaying in real-time the accurate data from multiple sources. It also gives a seamless experience to the end-users.

SITEFLOW, “Siteflow”

Siteflow is the first cloud-based Field Service Management Solution dedicated to the nuclear industry. Around our Web App and our Mobile App, companies are achieving their full digital transformation while respecting high quality requirements, making it the first solution used by a subcontractor of EDF (case 1) on French nuclear sites.

▪ CATÉGORIE MANAGEMENT DES CONNAISSANCES ET DES COMPÉTENCES

Grands groupes et ETI

CEA, the French alternative energies and atomic energy commission, “Create Your MOOK”

This innovative Knowledge Management methodology carried out on ASTRID, a Gen IV Reactor project, is based on a series of expert interviews and video recordings, transformed into a “MOOK” (Management of Organized Online Knowledge), considered as a data-rich content. Team has capitalized on a 10-year project and synthesized the knowledge thanks to 120 MOOKs.

ORANO GROUP, “COOC (Corporate Online Open Course): Orano Nuclear Fuel Cycle Process”

Our experts have synthesized their knowledge and technical skills into a series of 20-minutes digital formats in order to share this knowledge capital with the group's employees in France (12,000 people). Each module is structured in 3 parts:- the scientific phenomena in play; how to implement them; operating feedback through our industrial experience.

ROSATOM CORPORATE ACADEMY, “Rosatom for Rosatom knowledge transfer project”

Stimulation and support of additional training activities of employees in addition to their main responsibilities through individual and mass training, the provision of technical resources, as well as the promotion of the project and the results of the participants' work.

TPE/PME

After careful consideration, the jury decided that this year no nominations will be made for SMEs and VSEs due to the difficulty of scoring and judging against the criteria.

▪ **CATÉGORIE PRODUITS ET SERVICES**

Grands groupes et ETI

BERTIN TECHNOLOGIES, “SaphyGATE GN - Radiation portal monitor for Special Nuclear Materials detection”

Developed with the French Alternative Energies & Atomic Energy Commission (CEA), the 3He-free SaphyGATE GN is a radiation portal monitor for Gamma-Neutron detection & discrimination, able to automatically & non-invasively spot Special Nuclear Materials using plastic scintillation detectors only. It is thus ideal for access control of critical sites.

FRAMATOME, “QuarTec Coating Technology”

QuarTec, an innovative coating technology protecting power plant assets exposed to contaminants, corrosion, & aquatic growth. Reported Utility cost savings support quick ROI. QuarTec enables maintenance cost savings & reduces dose/contamination impacts contributing to power plant performance while complying with environmental standards.

VEOLIA NUCLEAR SOLUTIONS, “Treatment of Problematic Nuclear Waste Streams - GeoMelt® Vitrification of Reactive Metals”

Battelle Energy Alliance, operator of the Idaho National Lab for the DoE (USA), contracted VNS to treat reactive sodium contaminated waste. The waste consisted of 55-gallon drums (208L) contaminated with residual radioactive sodium. GeoMelt® proved to be an effective treatment method for this problematic waste stream.

TPE/PME

AVNIR ENERGY, “SK-DIZI (Surveillance System for Ionized Zones)”

SK-DIZI consists in a product innovation as it is a lightweight, compact and robust radioactivity detector specifically designed to be embedded on the autonomous AZUR DRONES SKEYETECH drone, as opposed to the heavy detectors currently used to control potentially radioactive zones that need to be loaded on a helicopter.

HAPTION, “Tele Robotics”

Tele Robotics is the ability to remotely control the manipulator in a hotcell via a master arm with force control. We supply a force feedback system for the master arm. The name of the product is Virtuose 6D TAO and a part of the control system.

SILÉANE, “Kamido: The robotics solution to sort and quantify legacy nuclear waste”

This system is a disruptive solution to automate the recovery & conditioning of legacy nuclear wastes. It automatically separates the waste item by item, identifies the type of waste, quantifies magnesium, removes aluminium, conditions the waste into drums, without exceeding a maximal quantity of mg inside the drum to prevent H2 effusions.

■ CATÉGORIE SÛRETÉ NUCLÉAIRE

Grands groupes et ETI

DOOSAN BABCOCK, “Development of a Phased Array Ultrasonic Inspection process for Sizewell B (SZB) Dry Fuel Store Multi-Purpose Canister Lid-to-Shell Welds”

A new NDT inspection system was required to support the 100 year design life criteria of the Multi-Purpose Canisters (MPC) for use in the SZB Dry Fuel Store. A fully qualified Phased Array Ultrasonic Testing system was developed for this specific application, deployed successfully and its application is now part of the MPC storage process.

EDF, “Radiation protection shells”

The innovation reduces radiations around the radiological inspection zone for welded join, increases safety and workers’ security and improves the co-activities management. Thanks to a radiation attenuator and absorbing shells: no weak line, reliable boundaries zone delimitation, reduced collective dose, optimized co-activities of adjacent work sites.

ORANO Group – CEA, “A new therapeutic approach for the decorporation of transuranium radionuclides using inhaled DTPA”

Orano and CEA have been developing an ease-of-use medical therapy based on the nebulization of DTPA aerosols to complete the current medical therapy (intravenous perfusion) and provide patients with a more efficient treatment for the most frequent and severe routes of internal contamination by transuranium radionuclides, inhalation and wound.

TPE/PME

ASVAD INTL. SL, “ASVAD, the valve to achieve nitrogen-free reactors”

The ASVAD Valve is a passive & automatic valve to avoid the nitrogen injection from the accumulators. Installed in the accumulator’s nitrogen side, it will wait fully closed until needed. Only during the accident, and just when the accumulator gets depleted, the valve will act. Once opened, all the residual nitrogen goes to the containment.

CATHELAIN and co-applicants, “C-Bolt”

C-Bolt is intended to control the durability of the safety fasteners, the integrity of the tightening process which requires monitoring. The concept is to integrate to the fasteners (screws, stud bolts and other threaded elements), a fiber optic sensor by means of a patented process developed in partnership with Op’Sens and FT Mesures.

PIERCAN SAS, “Secure and quick glove change with ejector ring system STIC”

This system has its own secured immobilisation mechanical system for the interchangeable part thanks to the locking crown mounted on the Enclosure Ring and the security ejection barrel. The STIC system was developed to improve user safety and protection, improve ease of use, and reduce costs.

WNE félicite les 21 nominés, grands groupes et TPE/PME, qui se sont distingués dans leur catégorie. Chacun d'entre eux incarne l'excellence de la filière du nucléaire civil, l'expertise et l'innovation technologique dans son domaine.

**Rendez-vous à la cérémonie des WNE Awards le mardi 30 novembre 2021 à 17h00
pour découvrir les lauréats.
(WNE - Salle des Panel Discussions)**

www.world-nuclear-exhibition.com

Rejoignez-nous #WNE



A PROPOS DU GIFEN : www.gifen.fr

Le Groupement des Industriels Français de l'Énergie Nucléaire (GIFEN) est l'unique syndicat professionnel de la filière nucléaire qui regroupe les grands donneurs d'ordre, les grandes entreprises, les ETI, PME, TPE et associations qui couvrent tous les types d'activités industrielles et tous les domaines du nucléaire civil.

Avec près de 270 adhérents, le GIFEN a pour objectif de construire, avec ses partenaires, l'industrie nucléaire française de demain. Il a également pour ambition de favoriser et de développer les relations internationales entre les acteurs mondiaux du nucléaire civil.

Pour atteindre cet objectif, le GIFEN mise sur le salon WNE (World Nuclear Exhibition) dont il est propriétaire.



A PROPOS DE RX FRANCE - www.rxglobal.com

RX France organise des événements en face-à-face, digitaux ou hybrides, leaders sur une vingtaine de marchés différents.

Parmi les salons emblématiques de RX et incontournables sur le plan national et international, figurent MIPIM, MAPIC, Bâtimat, Pollutec, EquipHotel, SITL, IFTM-Top Resa, MIPCOM, MIPTV, FIAC, Paris Photo et bien d'autres...

Nos événements se déroulent en France, en Chine, en Inde, en Italie, au Mexique, en Russie et aux États-Unis.

Nous accompagnons nos clients dans leur développement stratégique et commercial en produisant des rendez-vous qui facilitent et multiplient leurs opportunités d'affaires et en leur proposant des événements toujours plus innovants alliant le meilleur du physique et du digital.

RX France est la filiale française de RX (anciennement Reed Exhibitions).



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