



Since the foundation date of **RINGO VALVULAS**, 15 years ago in summer of 2000, there have been many targets and milestones achieved. All of them thanks to the work and effort of the professionals and cooperators that RINGO has now and had during the development of the Company.

This article must be considered as recognition for the work well done of all persons who have contributed, in one way or other, to the growth of **RINGO VALVULAS**, making that the mark RINGO is now worldwide known in a very high demanding market as it is the Nuclear Industry sector.

Ringo Valvulas, was founded in year 2000 and since its beginning, despite it was very young, the Company set up a clear policy of providing a quality and reference product for the nuclear industry.

Initially, **Ringo Valvulas** started its activities providing valves to the Spanish Nuclear Power Plants. They certainly gave their confidence to a small but very motivated enterprise that has a clear philosophy of providing the best products and services to the customers. Thanks to that confidence, **Ringo Valvulas** has been able to grow in the nuclear market. Clearly without the references of supplies made to the Spanish Nuclear Power Plants, **Ringo Valvulas** could have never approached successfully the export market.

As samples of the most relevant supplies made in Spain we must mention: the new cooling down system of Vandellos II NPP supplied to SERIDOM in year 2008; the Control Valves for the Power Upgrade of ALMARAZ NPP; the supplies made to fulfill the new requirements "post-Fukushima" (firefighting systems) for ASCO, VANDELLOS & ALMARAZ, NPP's; the plugs for the fuel pool in TRILLO NPP; the Control Butterfly Valves 72"

150 lbs., supplied to COFRENTES NPP and the special 3-way valves for the regulation of liquid supplied to primary loop in TRILLO NPP. Currently **Ringo Valvulas** is manufacturing valves for the systems E12, E22, E51, G33, N11, N21 & P42 of COFRENTES NPP and also Control, Ball, Globe & Check valves for the "Flooding of Heat Filters System" in ALMARAZ NPP.

Other traditional area of **Ringo Valvulas** since its beginning has been the Swedish market with many supplies to RINGHALS, FOSMARK & OKG NPP's. The supplies have included valves for the Emergency cooling down Systems and for the Residual Heat Removal Systems.

Ringo Valvulas has developed in Sweden, a catalog of nuclear valves in sizes up to 2" and nuclear classes 1, 2, 3 & 4 available for all Swedish Plants. The catalog is approved by INSPECTA NUCLEAR and allows to the customers the placement of the orders without any need of documentation approval. The valves covered by this catalog are produced according to an envelope specification which is supported by a set of approved documentation (QC plans, calculations, drawings, procedures, etc.). Periodically INSPECTA NUCLEAR performs audits to ensure that the requirements defined in the approved documentation are strictly fulfilled. The catalog has proved to be a very efficient tool for RINGO customers in order to reduce engineering & inspection costs.

Due to the references in Sweden, **Ringo Valvulas** was able to succeed in booking the first job in Finland. Initially the supply was for a set of gate valves in Non-Nuclear class for LOVIISA NPP and subsequently the supply of the Emergency Assisted Steam Extraction Check Valves made in 2014 during the replacement of High, & Low Pressure Turbines in the same LOVIISA NPP.

The supplies in Finland include, as well, nuclear class valves for different systems. During this year 2015, **Ringo Valvulas** has been approved and qualified to supply valves for the modernization and life extension projects of OKILUOTO I & II NPP's. At the same time Ringo Valvulas has been approved by the Finnish Authority, STUK. This fact provides to RINGO a good position and platform for its definitive implantation in the country as reference supplier of Nuclear Valves.

Ringo Valvulas is also present in Belgium with continuous supplies to Doel & Tihange NPP's. The most relevant supplies include Gate & AOV Butterfly valves provided with fully qualified pneumatic actuators. The valves are installed in the new Refrigeration, Fire-Fighting and "CC" Systems.

Besides the markets described above, **Ringo Valvulas** has a substantial number of supplies in countries such as South Africa (Koeberg NPP), Rumania (CERNOVODA NPP), China (QINSHAN I & II NPP's), India (KRAKKAPAR & KAIGGA NPP's) and in cooperation with TECNATOM in Mexico (LAGUNA VERDE NPP) and Argentina (ATUCHA & EMPALSA NPP's).

Also in the last three years, **Ringo Valvulas**, has successfully entered in the Russian market as supplier of valves for the new "VVR" Reactors. Ringo Valvulas has supplied valves for LENINGRADSKA, BELOYARSK, NOVORONEH and BELARUS NPP's. The supplies include Main Steam Isolation valves, gate type 32"-600 lbs., Check Valves and many Control valves for different Systems. In all cases, prototypes of the supplied valves were supplied in advance for testing, under service conditions, in the laboratories of Rossatom in Saint Petersburg, in all cases with satisfactory results. Recently, **Ringo Valvulas**, has also supplied valves for a "VVR" Reactor for the Chinese project of TIANWAN NPP. The supply includes Butterfly, Check & Control valves in superduplex Stainless Steel for sea-water service. This supply

opens great possibilities for Ringo to be a normal supplier for "VVR" type Plants supplied by Rossatom to third countries. In fact and due to these experiences, **Ringo Valvulas** has signed a contract for the supply of valves to the KOZLODUY NPP in Bulgaria. The knowledge of the Russian specifications, the Russian philosophy as well as the way of preparing the final data packages has been definitively something considered by the customer when placing the contract.

Ringo Valvulas was in 2014, finally qualified as ASME III, "N" & "NPT" Stamps Holder. Thanks to that Ringo Valvulas signed its first contract with HITACHI NUCLEAR for the supply of valves to WYLFA NPP (U.K.). The contract includes the manufacturing, supply and testing of the prototypes of valves used in the pneumatic system of injection of the Control Rods. The tests of the prototypes are scheduled during the summer of 2015.

Ringo Valvulas has signed recently several distribution agreements for its nuclear products in USA & Canada. **Ringo Valvulas** has been qualified as eligible supplier for both DARLINTON & BRICE POWER NPP's in Ontario (Canada).

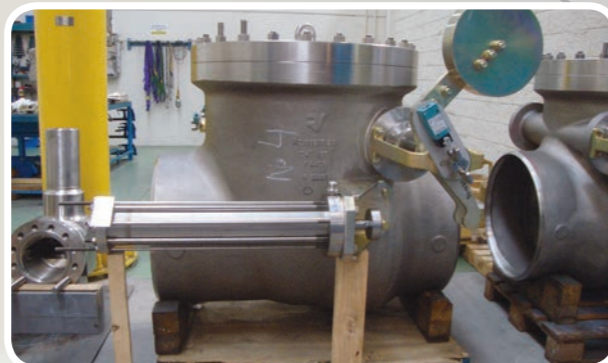
During month of May 2105, **Ringo Valvulas** has been audited and qualified by KEPKO & KHNP for the supply of valves to both the Korean NPP's and the different export projects being made by Korean builders in third countries.

The nuclear market is a high demanding sector (from specifications and quality point of view) but currently not very large regarding number of projects. The most valuable aspects are quality, reliability, compliance with the requirements both technical and commercial, and high technical capability. In **Ringo Valvulas** we provide all these aspects plus flexibility, trying all times, to find solutions which meet customer demands and not the opposite. **Ringo Valvulas** during these 15 years has been able to get a stable position in the market; this makes us to see the future and the possible "Nuclear Renaissance" with our highest illusion and with a perfect conditions and capabilities to offer to our customers products and services of the maximum quality.

It would be unfair to finish this article without giving thanks again to all our customers. They have given their confidence to us and have helped **Ringo Valvulas** daily to improve in our work and performance. Thank you to all of you for your help.



Diagnosis test performed at RINGO premises for Control Valves.



Turbine steam extraction emergency assisted check valves for LOVIISA NPP (Finland).



Supply of full Turbine By-Pass system.



Gate & Check valves for the Residual Heat Removal System at Ringhals NPP (Sweden).