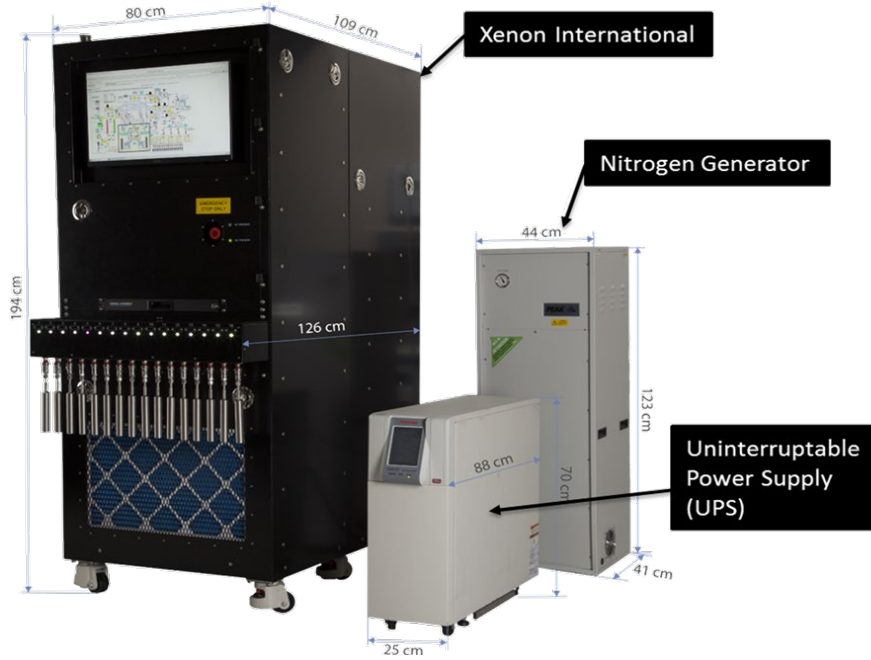


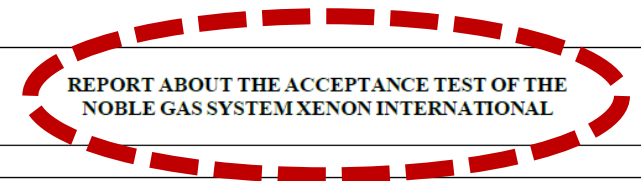
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The Xenon International system is an automated radioxenon monitoring system that was designed to perform analysis of ultra-trace quantities of xenon gas to detect evidence of nuclear explosions

- Successfully completed the CTBTO acceptance process
- During Phase 1 testing, the Xenon International observed for the first time ever in a field system radioxenon activation products.



Distr.: LIMITED
 CTBT/PTS/INF.1643
 15 March 2023
 ENGLISH ONLY



This paper describes the testing and acceptance review process for the Xenon International noble gas system which was developed by the Pacific Northwest National Laboratory, United States of America. Teledyne Brown Engineering, Inc. United States of America further developed and manufactured the system. CTBT/PTS/INF.1480 states that a formal process for the acceptance of new noble gas systems is to take place before accepting any noble gas system as a candidate for International Monitoring System implementation. The detailed acceptance report which includes the description and results of the various testing phases will be issued on the Expert Communication System of the Provisional Technical Secretariat.

