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Type: **Poster**

-CUBE: The first prototype for a noble gas system adapted for an Array-network

A detection network consisting of arrays of less complex noble gas measurement systems at selected sites, would, at comparable cost, have a verification capability superior to the current IMS noble gas network configuration. Such a network would also be more reliable, redundant, and easier to maintain. The first industrial prototype of a noble gas system adapted for an array network - SAUNA-CUBE – has been manufactured and tested. Although the system design is based on many years of operation of the SAUNA concept, the concept is in many ways new, and presented many challenges. The system design and functionality will be presented, along with the initial test results and further plans.

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