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Infrasound station IS25 of the International Monitoring System of the Comprehensive Test Ban Treaty : from design to certification

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CEA is operating the French segment of the International Monitoring System of the Comprehensive Test Ban Treaty (CTBT). Construction of IMS stations was started on the late 90' and one last station was pending before completing commitment of France.

Taking into account experience learned over the years, design was thought to combine enhanced detection capability and robustness. It gives also the opportunity to improve out monitoring tools and technics.

Station run 9 sensors spread out on a deep forest in Guadeloupe; power is distributed with buried cable while data are received with optical fibre to a central facility from which frames are sent to the International Data Center to the CTBTO. Construction was carried out in 2019.

IS25 was certified by the PTS of the CTBTO in November 2020