



# Dr. Frucht Systems Ltd.



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**D**r. Frucht Systems Ltd. develops, manufactures and markets laser radar scanners as well as additional perimeter scanning products. The company is also active in such areas as: smart weapons systems engineering, aeroballistics, aerodynamic design, sensors for smart weapons and robotics.

Dr. Yaacov Frucht retired from Rafael Armament Development Authority after 20 years in senior R&D positions.

## Virtual Fencing

Special emphasis is placed on virtual fencing through Laser Radar Scanning Technology. These products are Eye Safe and have successfully passed all required tests.

## Main Products

- Area Laser Sensor (ALS): this sensor can detect intruders at a radius 200 meters and can scan 360 degrees. ALS can slave PTZ cameras thus allowing automatic tracking of the intruder.
- Laser Fence Sensor (LFS): this sensor creates a very dense laser curtain. Any intruder or object crossing the curtain is immediately detected. The detection range is 120 meters and the sensor scans 110 degrees, creating a vertical or horizontal curtain.

- The sensor uses the same software as ALS and also has the ability of slaving a PTZ camera or with integrated fixed cameras.
- Cross Line Detector (CLD). This sensor detects intruders crossing the laser beam. Unlike IR barriers, the transmitter and the receiver are in the same unit and therefore it does not need special alignment. The detector comes with an integrated camera aligned with the laser beam.
- The company offers proven piezo electric sensor for the physical fencing the company offers a proven piezoelectric sensor.
- Buried system is based on a seismic sensor and a proprietary signal-processing unit offering the possibility of sensor fusing.
- Dr. Frucht Systems patented Expandable Observation System provides visual information of a spot without a direct view, or that its details cannot be easily observed by a remote camera. The system comes at a low and affordable cost and can be operated simply.
- Products can also be sold OEM.

## Seeking

International Distribution; Joint Ventures; Strategic Alliances.

