



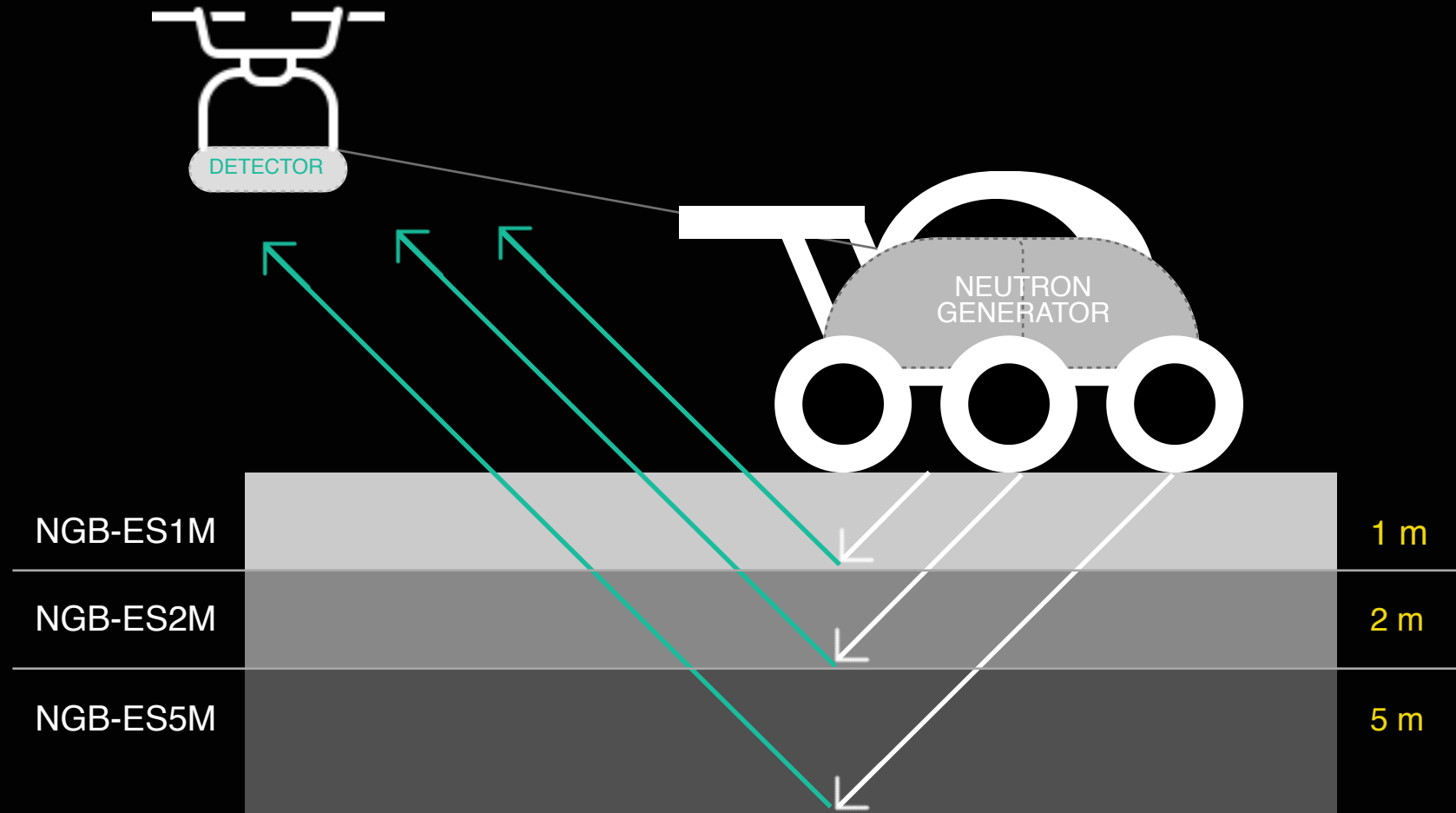
UATL® PRIVATE RESEARCH  
UNIVERSITY est.2005

Patent: GB2562215



# NEUTRON PULSE GENERATOR EXPLOSIVES AND MINE ROBOTIC DETECTOR

# ROBOTIC MOBILE EXPLOSIVE DETECTORS

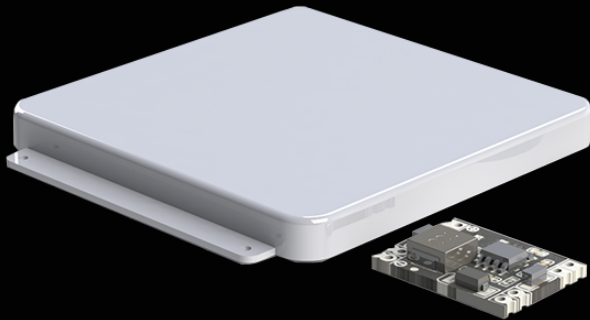


When the device is turned on, there is strictly targeted flow of neutrons  
The angle of neutron ray is between  $\pm 5$  degrees out of direct

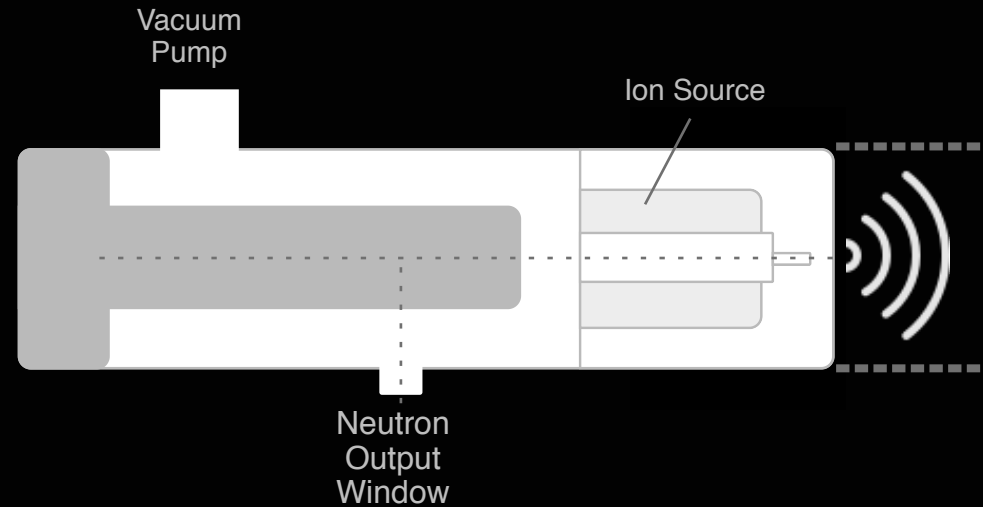
# NEUTRON PULSE GENERATOR – EXPLOSIVES AND MINE SCANNER

ELECTRICALLY GENERATED N-RAY IS **SAFE FOR HUMANS**

DETECTOR  
is catching neutron  
radiation to detect  
substance



NEUTRON PULSE GENERATOR  
emits slow neutrons to scan a  
ground



# NEUTRON PULSE GENERATOR ADAPTS TO REQUIRED GOALS

## APPLICATION FEATURES:

1. Possibility to select survey area.
2. Possibility to select scan speed & resolution.
3. Possibility to adjust sensitivity.
4. Device battery status indication.
5. Possibility to abort mission at any time.
6. Possibility to select flight altitude or speed mode.
7. Possibility to save scan.
8. Possibility to save geographic location of the scan.
9. Export data to PC for further analysis.

## DETECTORS WEIGHT:

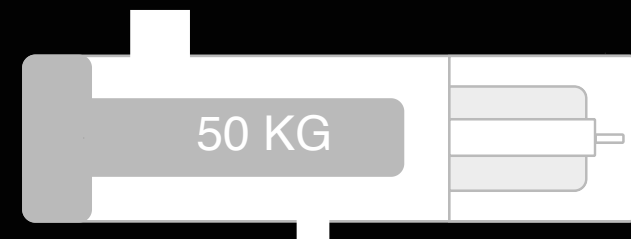
**ES1M** (1m dept)



**ES2M** (2m dept)



**ES5M** (5m dept)



There are three types of neutron generator that distinguished depending on the required scanning depth.

# NEUTRON GENERATOR AS GROUND DEVICE

EXPLOSIVES DETECTION, HAZARDOUS CHEMICALS BASED ON CARBON  $\text{C}$ ,  
HYDROGEN  $\text{H}$  AND OXYGEN  $\text{O}$

## NGB-ES MOBILE NEUTRON EXPLOSIVE SCANNER



1. The speed of effective scanning is up to 30 km/h.
2. Can scan on a given area and a given path.
3. Adjustment of sensitivity and reaction to certain substances.
4. Ability to install a neutron scanner on another device of this kind.

## NGB-ES MOBILE NEUTRON EXPLOSIVE SCANNER

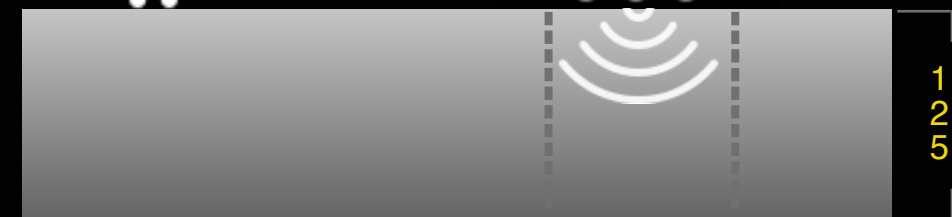
given  
path



OR remote  
control



1 m  
2 m  
5 m



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5 REGISTERED PATENTS  
2 PATENTS PENDING  
6 TECHNOLOGIES IN THE TEST PHASE

Production of prototypes and sensors is carried out on the basis of Sensinite Oy.



UATL Corporation  
official website

UATL® PRIVATE RESEARCH UNIVERSITY IS **FOUNDED**  
**IN 2005**

Works, research and experiments in the field of accelerator physics of elementary particles.



Mr. Teider's business  
card