

# NEW ERA OF LEAK DETECTION FOR GEOMEMBRANES

## eRex & eRaptor Product Lines

### 2024



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# More than 25 years of leak detection experience

**ELIS Technologies offers advanced geomembrane leak location services and products.**

**Established by a team of geomembrane leak detection professionals, ELIS Technologies offers more than 25 years of leak location experience.**

**ELIS Technologies offers a wide spectrum of geomembrane leak location services and products to cater to the vast majority of leak location audiences. We help customers with both exposed as well as covered geomembrane liner leaks.**

**Why  
ELIS? (1)**



**ELISTECH**  
INTELLIGENT LEAK DETECTION

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# Improved geomembrane monitoring technology

Solutions provided by ELIS have been specifically designed to improve efficiency and accuracy of the leak detection process.

## Main advantages

- High efficiency when identifying leaks
  - saves time and produces fast results, thus limiting the interruptions to client operations
- Higher levels of automation
  - eliminating human error in the process
- Use of GPS precision tools
  - ensures that the entire site is fully surveyed
- Advanced software technology (AST)
  - AST enables better data interpretation
- Personnel friendly design
  - less fatigue for human operators means higher productivity and speed

Why  
ELIS? (2)



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...source unlimited!  
GLOBAL SOURCE



# ELIS as and R&D partner

Solutions provided by ELIS tech are not limited to the standard products and services portfolio. Thanks to our extensive experience with leak detection we are able to provide custom-made solutions to many of our clients.

Due to complexity, many projects require individual approach. Be it an intricate design of the project, hard-to-access location or similar challenge, ELIS always strives to deliver a solution that will help the operator with any leak detection challenge they may face.

**Why  
ELIS? (3)**



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# ISO 9001:2015 Certified

All ELIS products are manufactured under the control of a quality management system that meets the requirements of ISO 9001:2015.

Why  
ELIS? (4)



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# eRex



**ELIS**  
**Arc Tester**  
**Product Lines**

# eRaptor



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## eRex Technology

**Ultraportable Arc-Tester for leak detection on exposed PVC, TPO, HDPE, LDPE, rubber, bitumen and similar non-conductive materials.**



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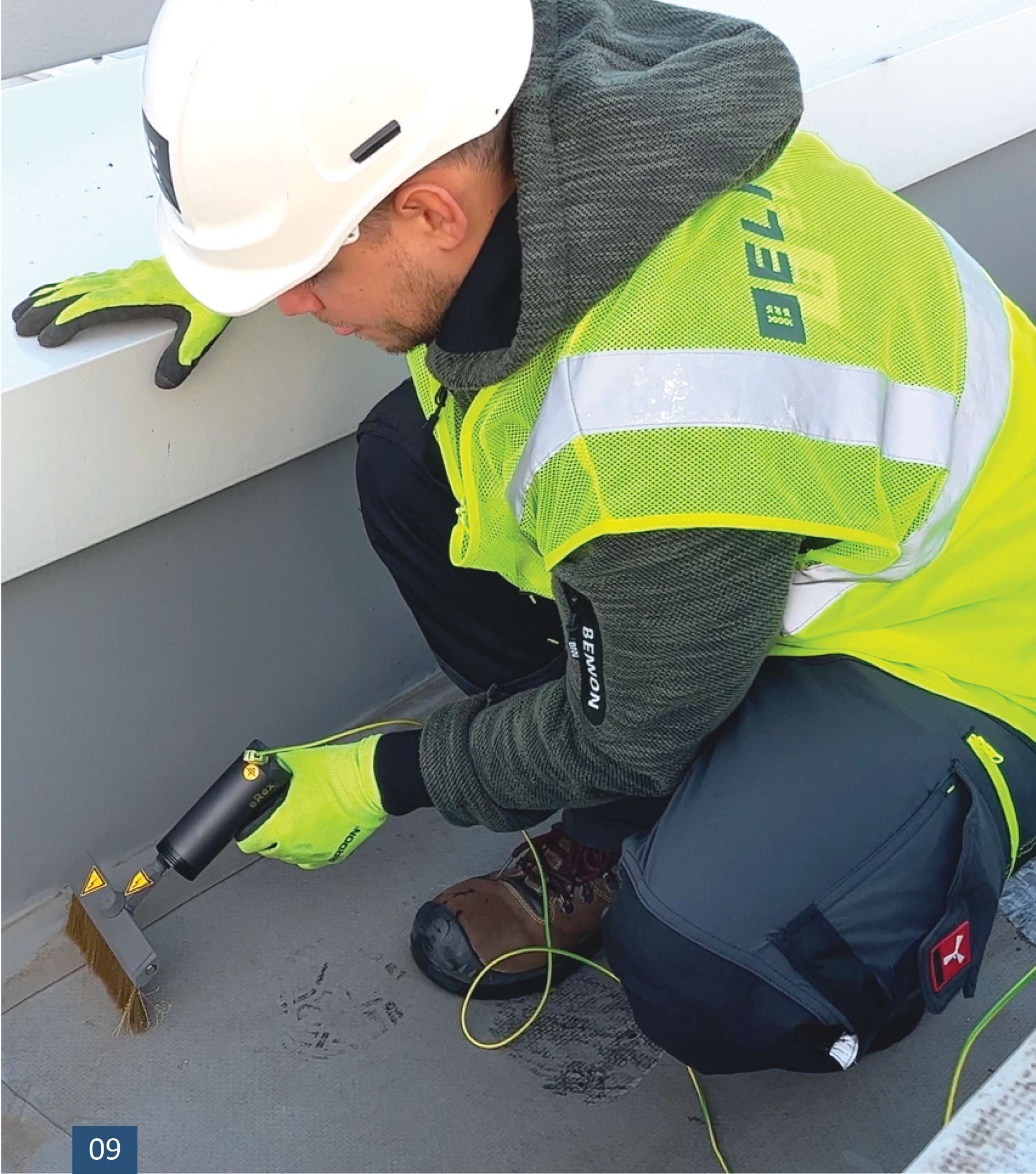
## eRex Applications

- post-installation checks of exposed geomembrane liners
- roofs
- swimming pools
- plastic coatings of metal objects



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## eRex Technology

Technician  
performing a leak  
detection survey on  
a 1,5mm PVC liner.



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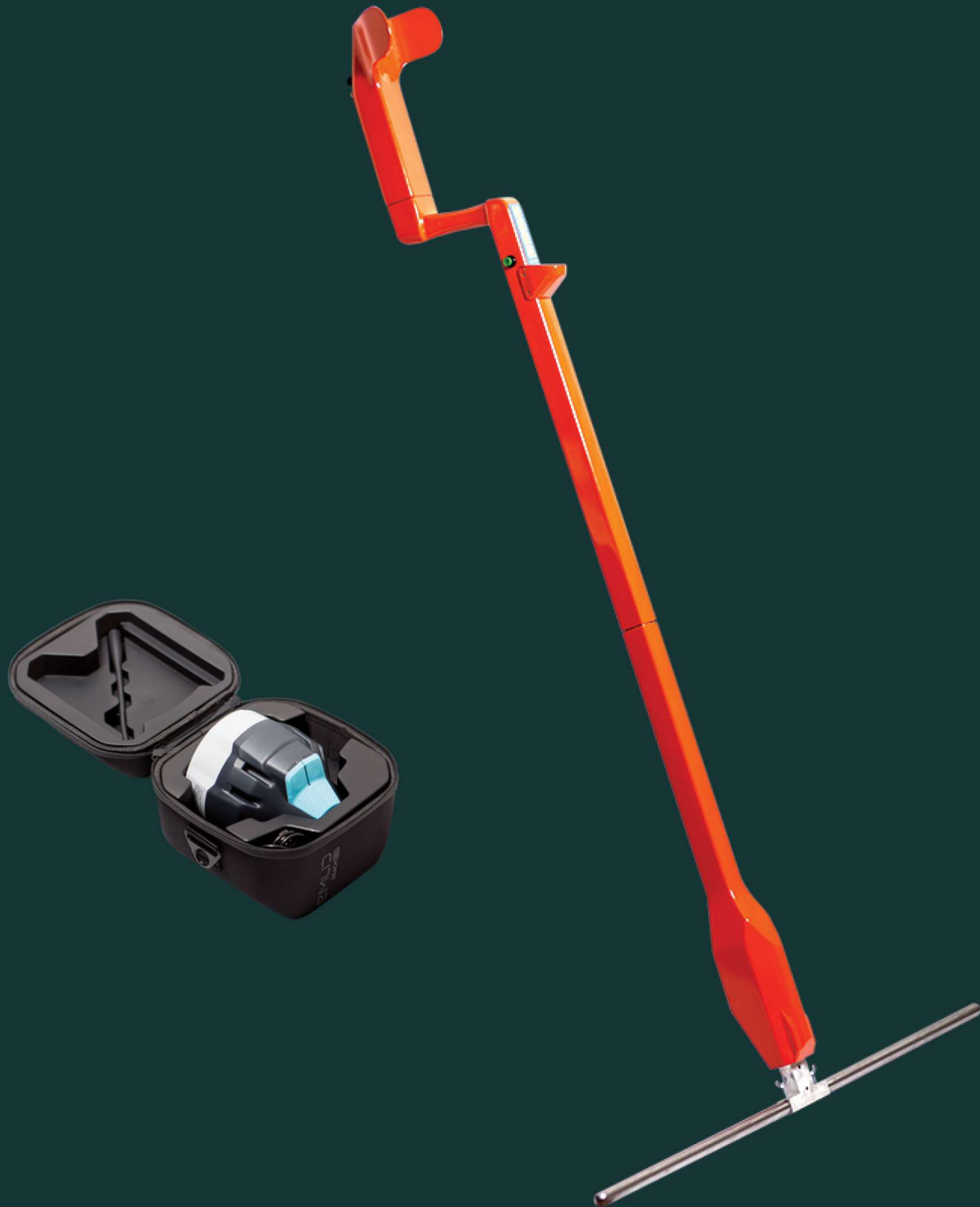
- **Compatible with a multitude of materials up to 7mm**
  - PVC
  - TPO
  - HDPE
  - LDPE
  - rubber
  - bitumen
  - similar non-conductive materials
- **Ultra-light and portable**
  - only 650g
- **Built-in battery**
- **Solid battery life**
  - more than 1,5 hrs of spark production
- **Visual alert for leaks**
- **Fast deployment**
- **Easy to use**

## eRex Features



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## eRaptor Technology

Advanced GPS  
compatible Arc-  
Tester for leak  
detection on  
exposed PVC, TPO,  
HDPE, LDPE,  
rubber, bitumen  
and similar non-  
conductive  
materials.



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## eRaptor Applications

- post-installation checks of exposed geomembrane liners
- landfills
- mines
- evaporation ponds
- water reservoirs
- roofs
- swimming pools
- plastic coatings of metal objects



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## eRaptor Technology

Technician  
performing a leak  
detection survey on  
a bituminous roof  
liner.



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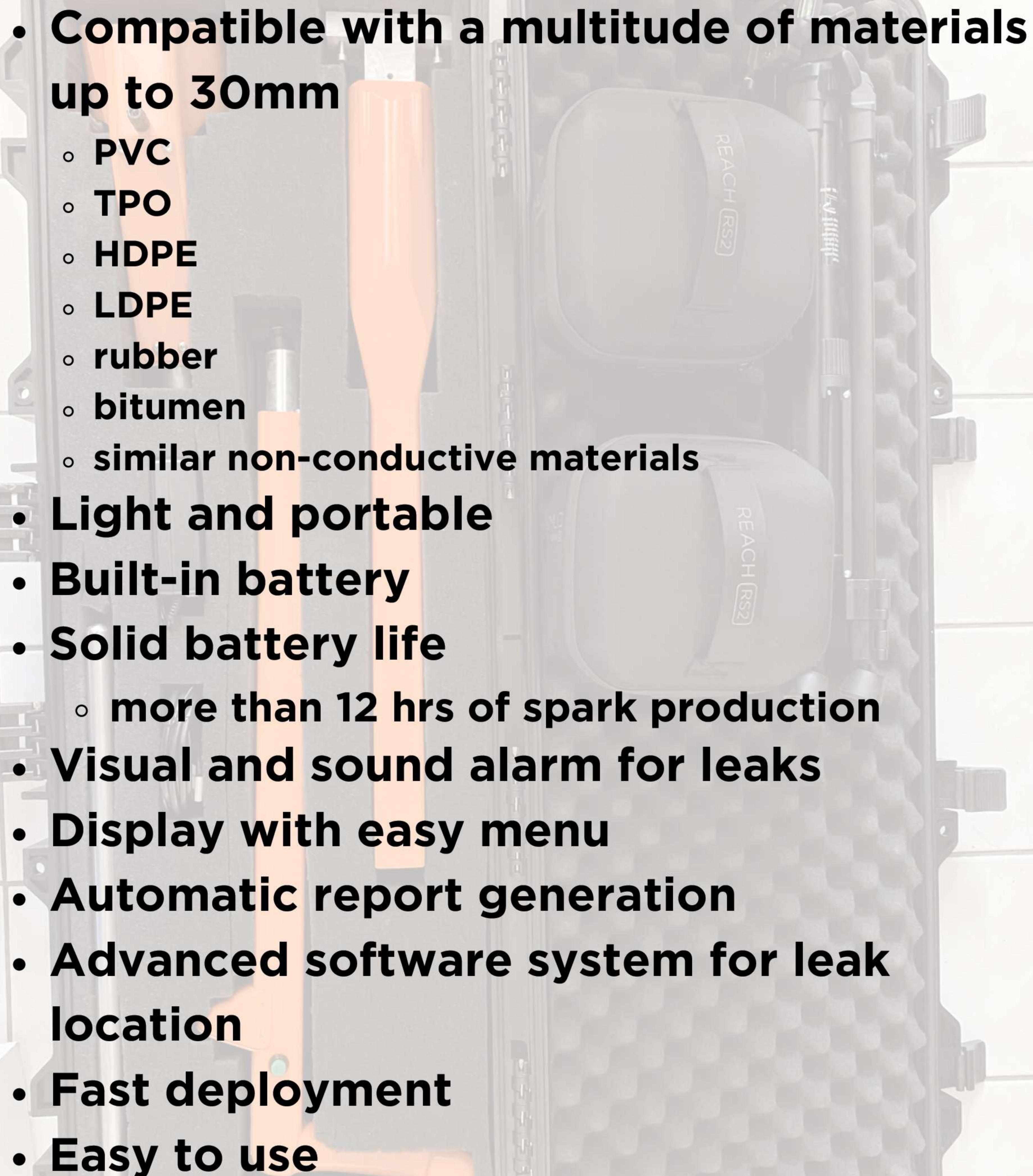


Functions/Type	eRaptor	eRaptor +	eRaptor + GPS
Exposed geomembrane monitoring with visual and sound alarm.	✓	✓	✓
Mobile phone with ELIS app		✓	✓
Survey GPS tracking		✓	✓
Automatically generated survey report		✓	✓
RTK GPS			✓

## eRaptor Types





- 
- **Compatible with a multitude of materials up to 30mm**
    - PVC
    - TPO
    - HDPE
    - LDPE
    - rubber
    - bitumen
    - similar non-conductive materials
  - **Light and portable**
  - **Built-in battery**
  - **Solid battery life**
    - more than 12 hrs of spark production
  - **Visual and sound alarm for leaks**
  - **Display with easy menu**
  - **Automatic report generation**
  - **Advanced software system for leak location**
  - **Fast deployment**
  - **Easy to use**

## **eRaptor Features**







## Ground Cable 150m

Original ELIS  
ground cable  
accessory

- Ground Cable  
150m
- Ground Pin
- Ground clamp +  
Electrode



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