



# SAIBA LEAK DETECTION

PRESENTATION



# MAINTENANCE STRATEGY

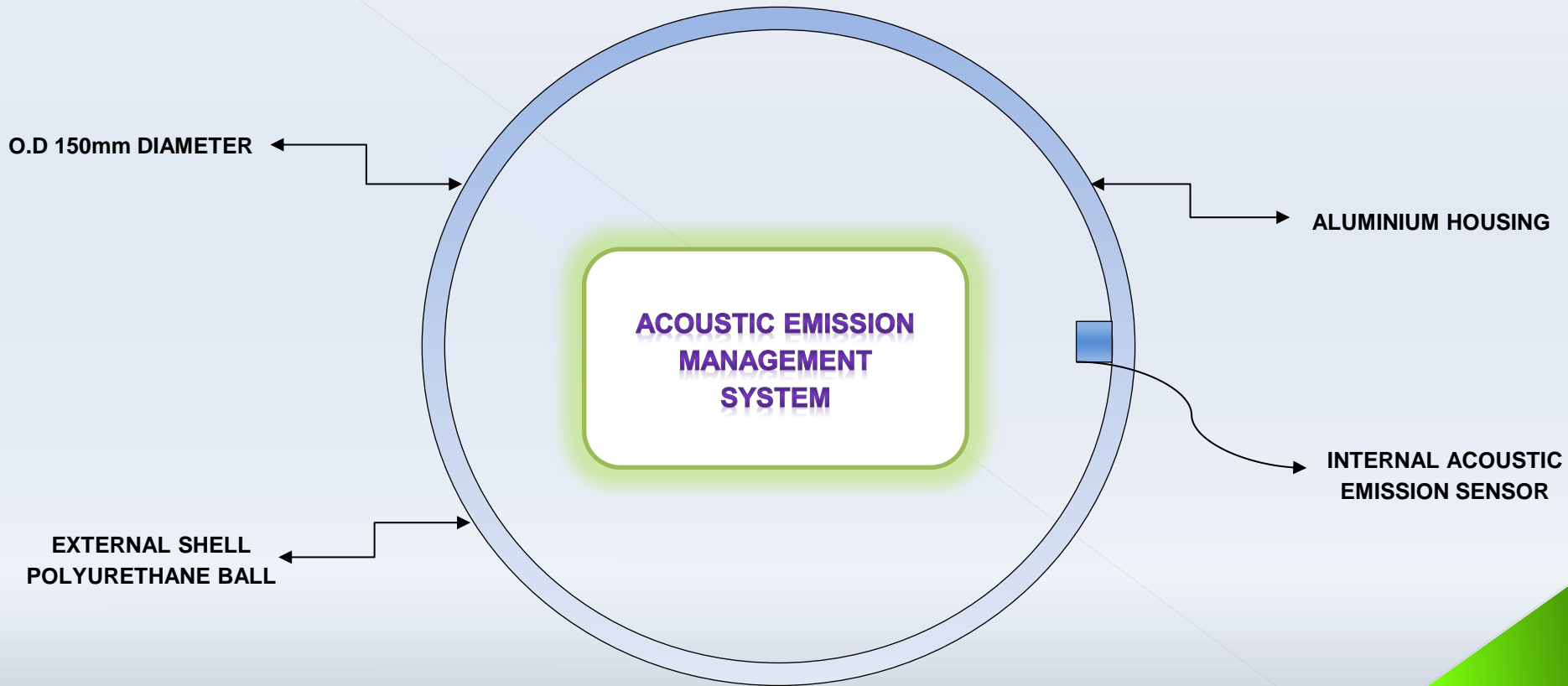
- Conduct leak detection test and identify leaks.
- During pipe leak repairs, conduct ultrasonic wall thickness survey's to determine remaining useful life. (For steel pipes only)
- For non-metallic pipes, conduct in-situ test to determine cause of failure.
- Based on the findings for the cause of failure, further verification tests can be conducted to determine the overall condition of the pipe.

# REQUIREMENTS FOR SUCCESSFUL LEAK DETECTION

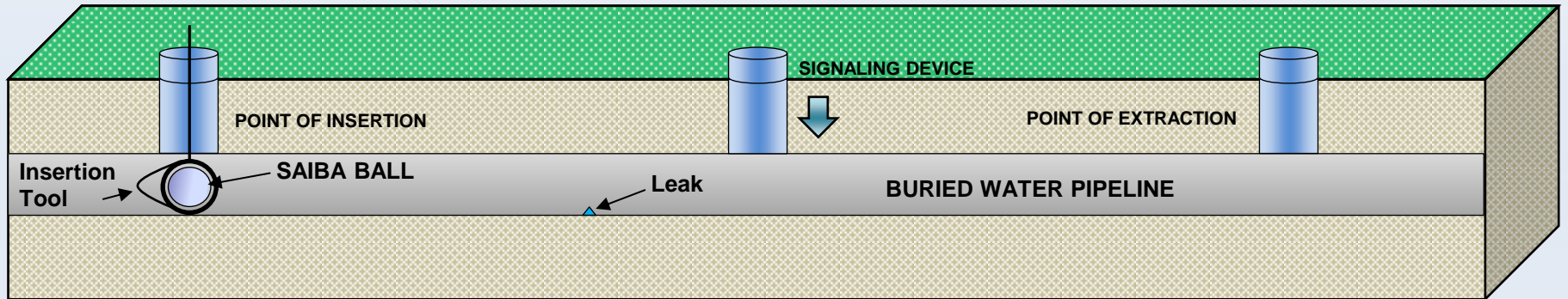


- Client to open the concrete covers in order to enable access to the air valves.
- Facility for insertion and extraction of ball minimum opening of 8" opening to be supplied by client.
- Maximum system pressure not to exceed 15 bar.
- Client to adjust the flow velocity between 0.5 to 1.5 m/s.

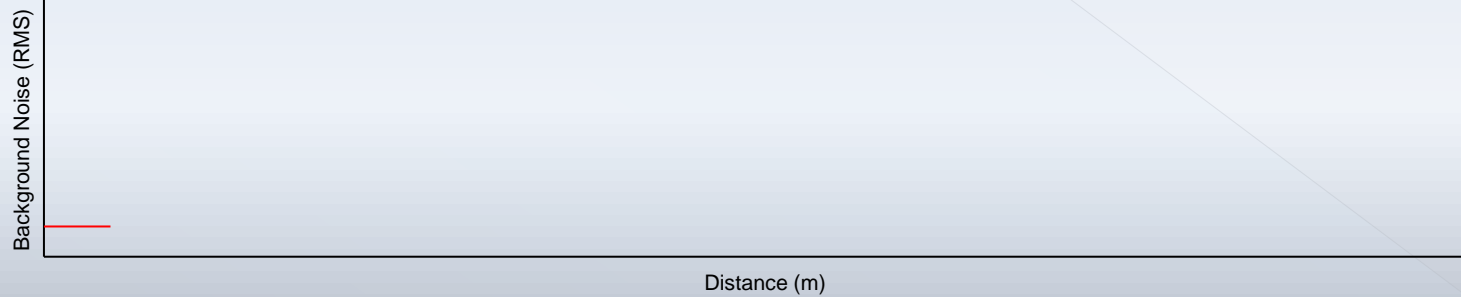
# LEAK DETECTION METHOD



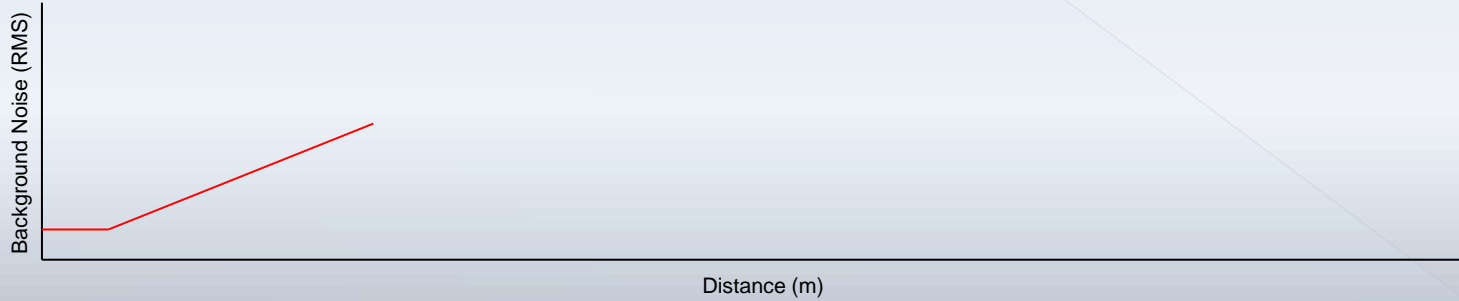
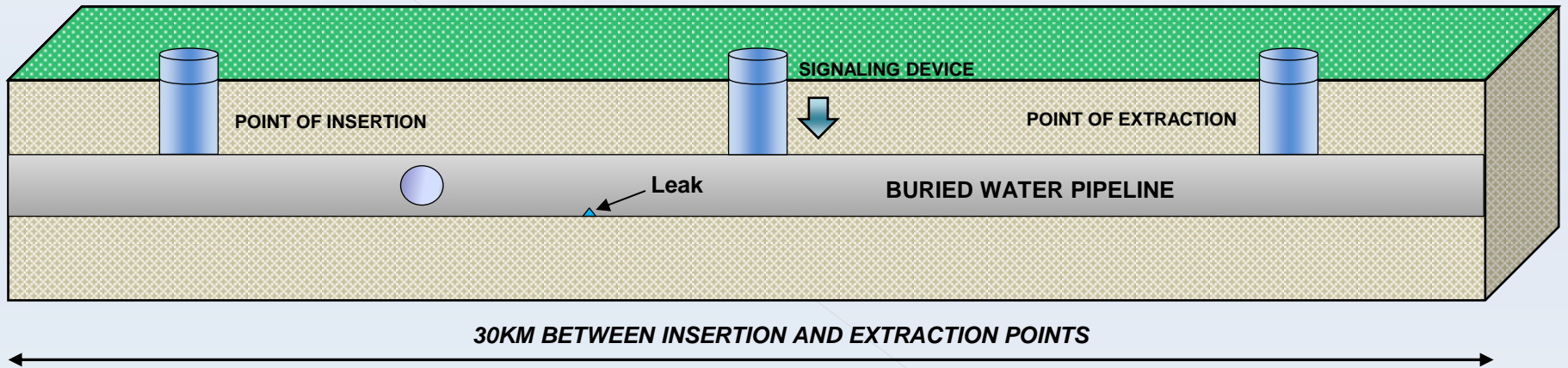
# FREE SWIMMING SAIBA BALL



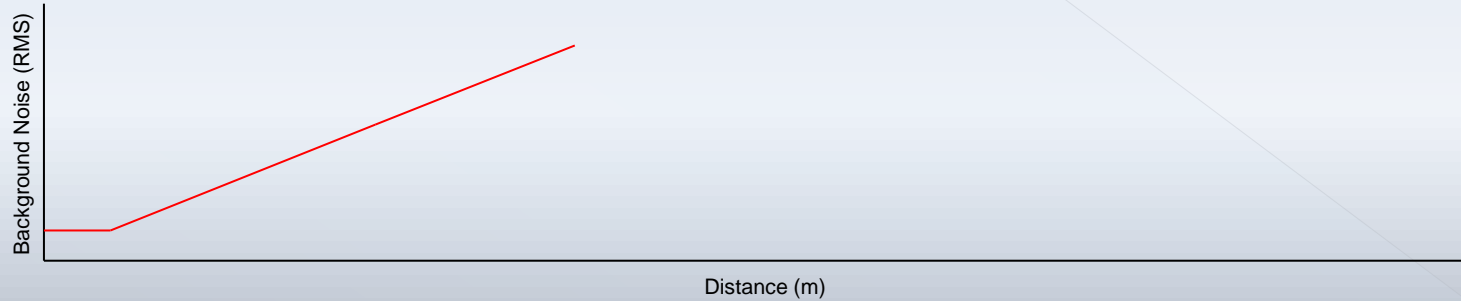
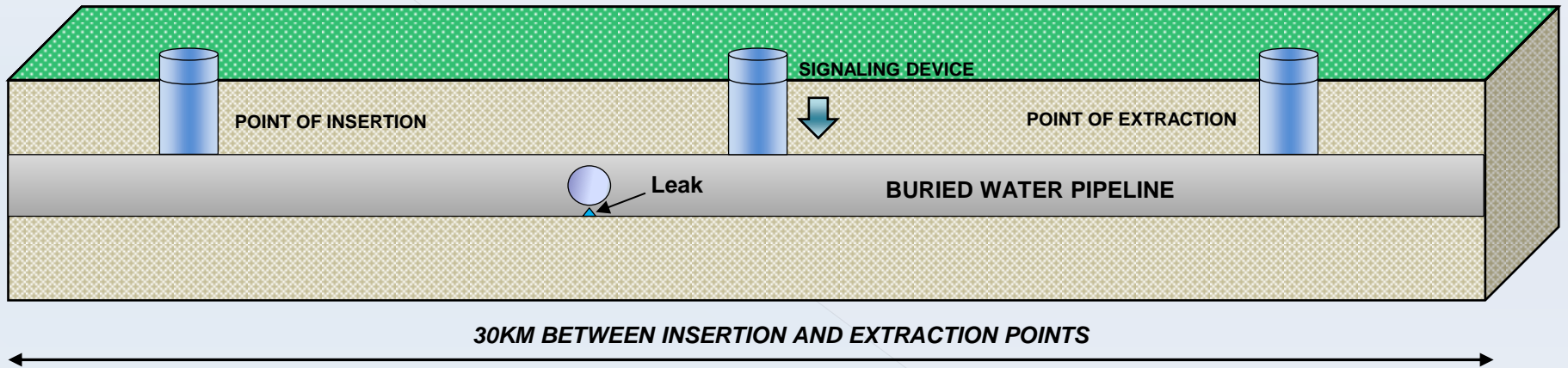
30KM BETWEEN INSERTION AND EXTRACTION POINTS



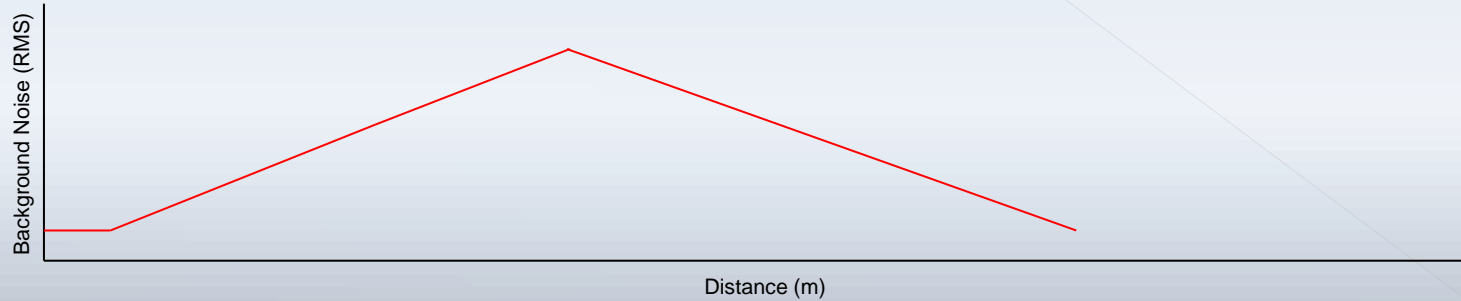
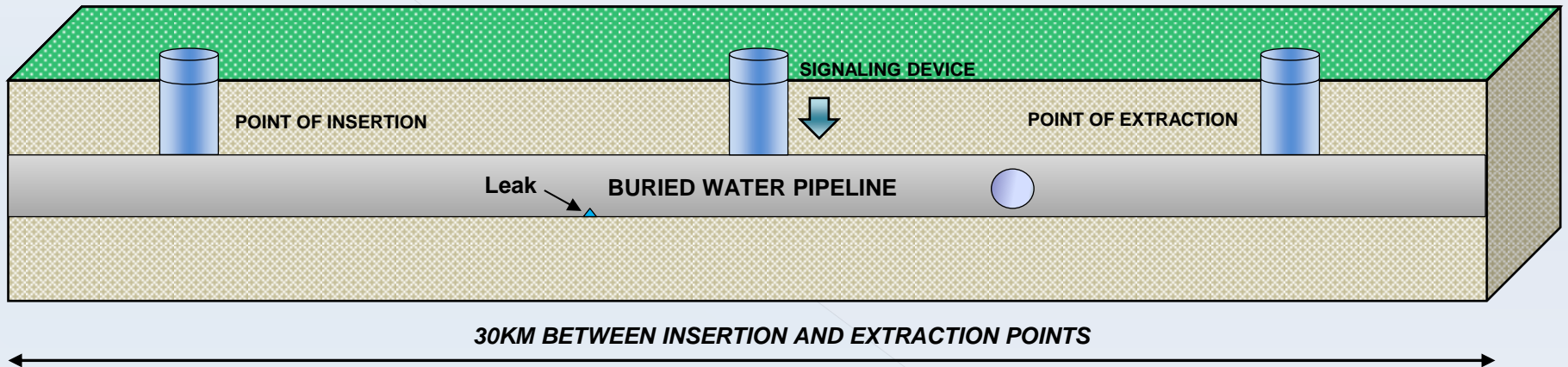
# FREE SWIMMING SAIBA BALL



# FREE SWIMMING SAIBA BALL

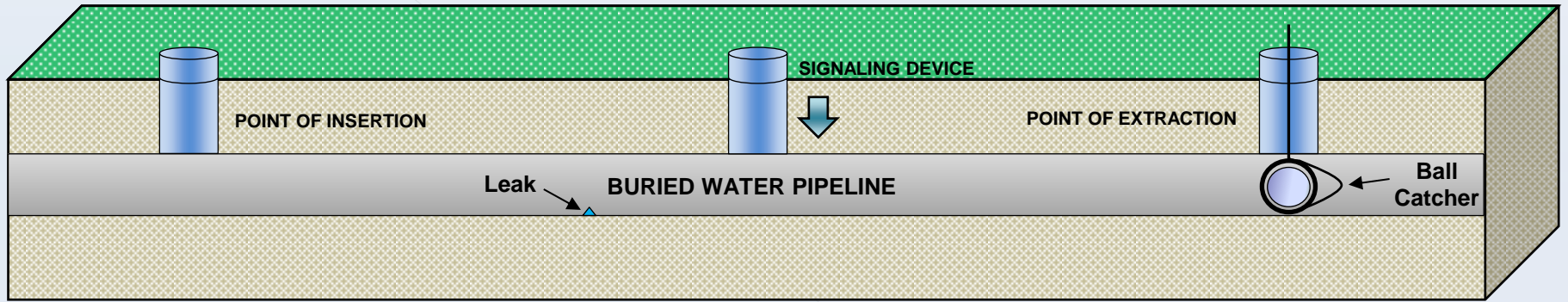


# FREE SWIMMING SAIBA BALL

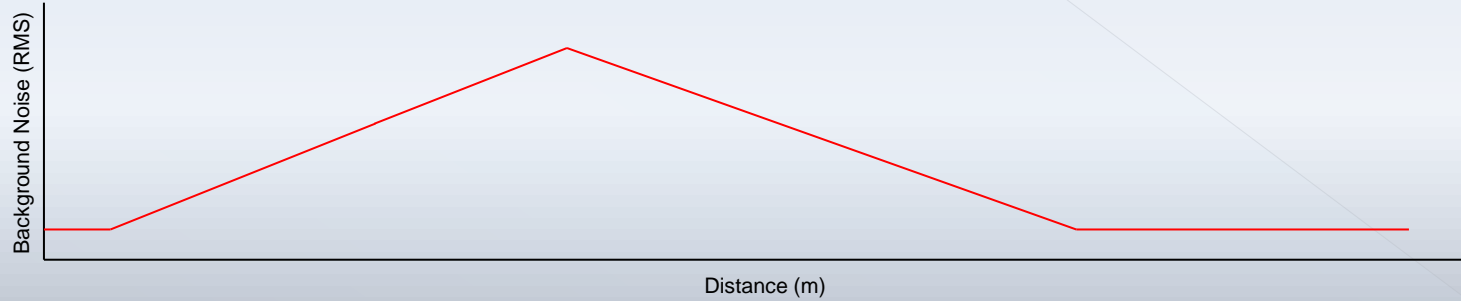




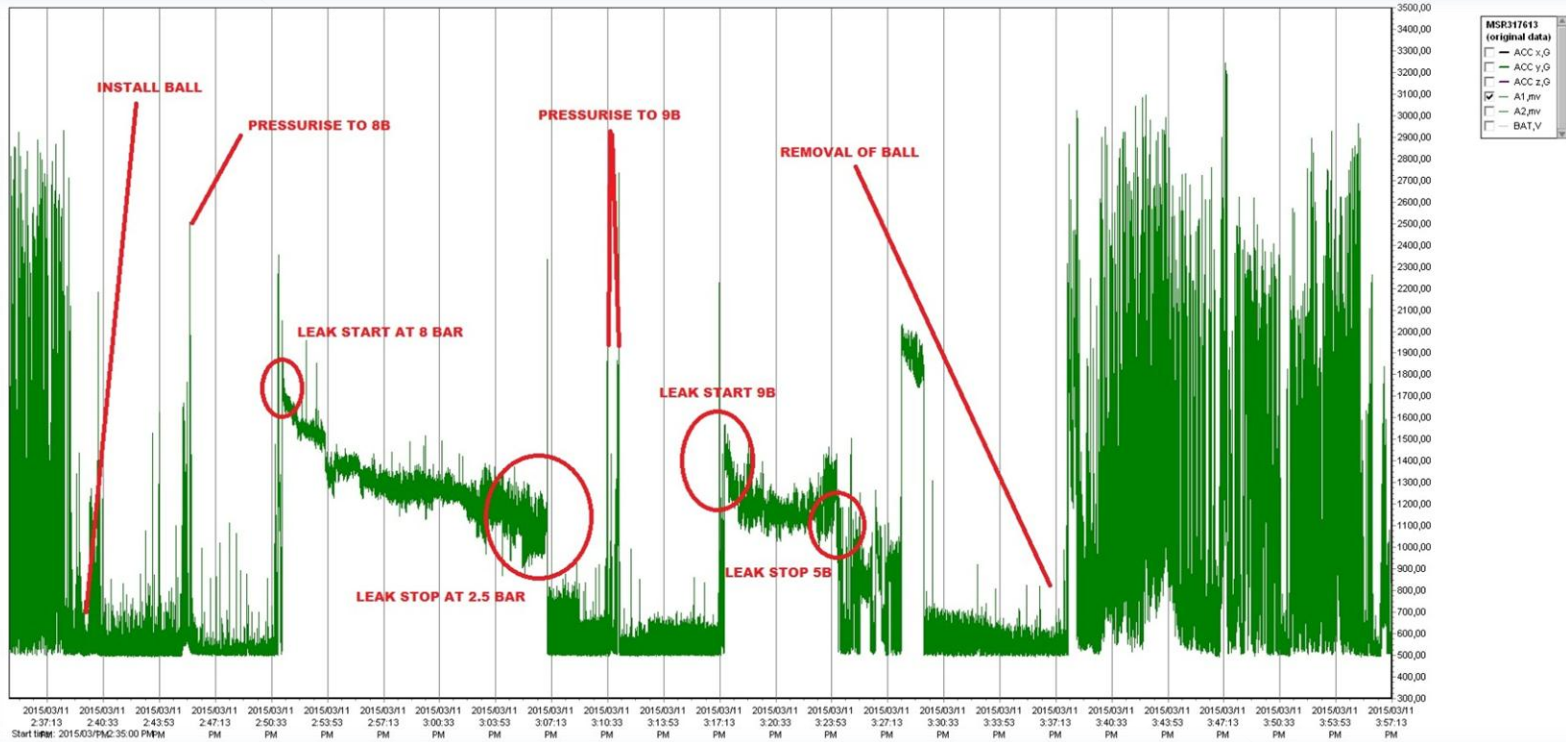
# FREE SWIMMING SAIBA BALL



30KM BETWEEN INSERTION AND EXTRACTION POINTS



# PRACTICAL ILLUSTRATION





# CONTACT DETAILS

## SAIBA ENGINEERING

**TEL NO:** +27 35 753 2245

**CELL NO:** +27 82 376 1680

**E-MAIL:** sl@se59.net

**CONTACT:** Mr. Suren Lalla

**[www.se59.net](http://www.se59.net)**